

AD-A066 290

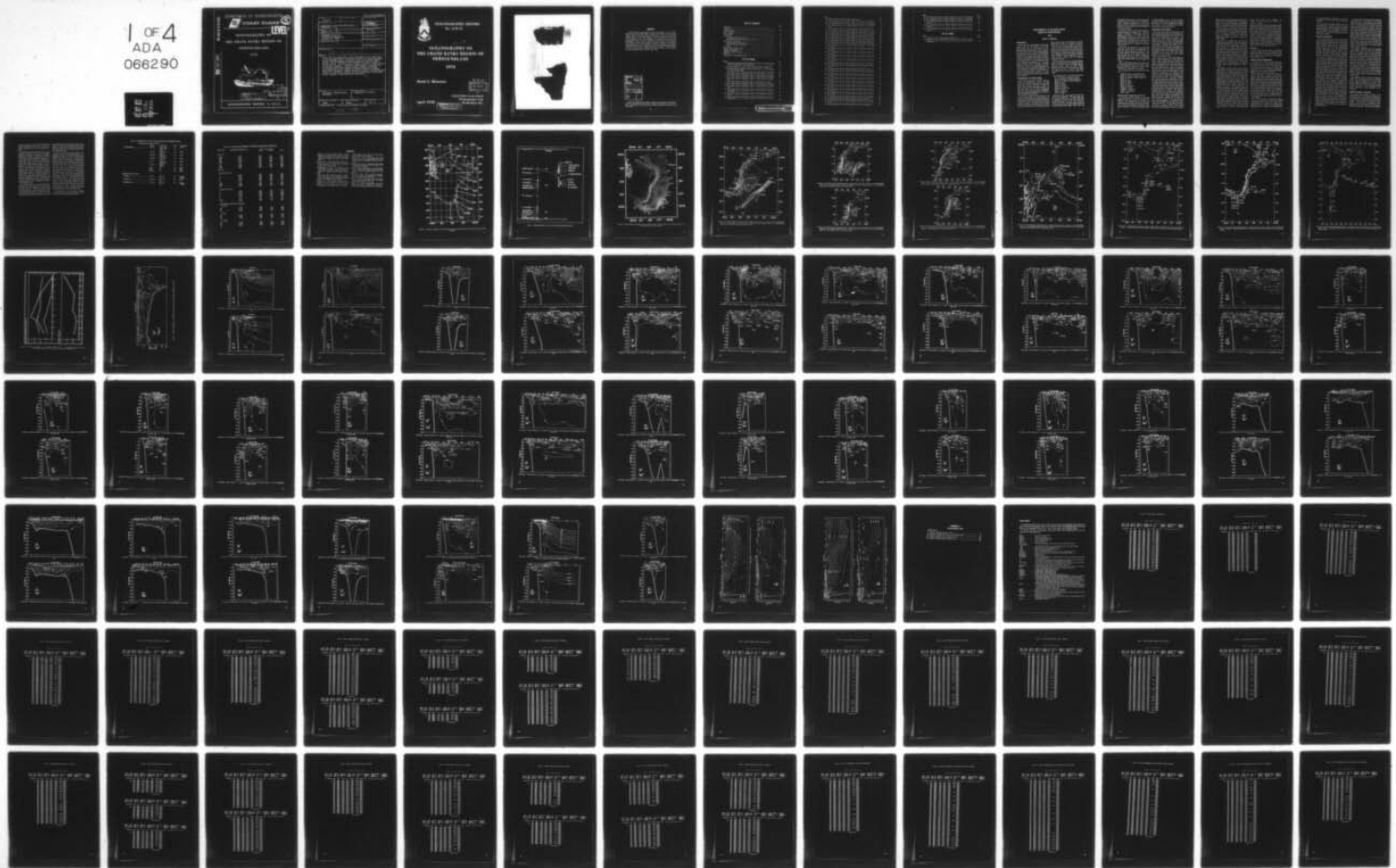
COAST GUARD WASHINGTON D C OCEANOGRAPHIC UNIT
OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND - 1975.(U)
APR 78 D 6 MOUNTAIN
USCG-373-75

F/6 8/3

NL

UNCLASSIFIED

1 OF 4
ADA
066290



AD A066290

DDC FILE COPY

DEPARTMENT OF TRANSPORTATION



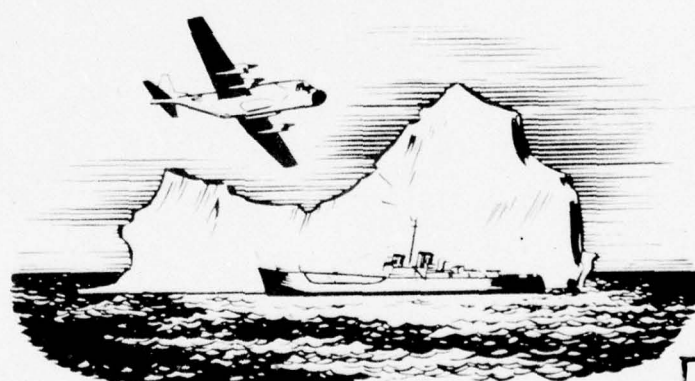
COAST GUARD

5

LEVEL II

OCEANOGRAPHY OF
THE GRAND BANKS REGION OF
NEWFOUNDLAND

1975



DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DDC
RECEIVED
MAR 26 1979
D

OCEANOGRAPHIC REPORT No. 373-75

79 03 23 04 6

1. Report No. CG-373-75	2. Government Accession No.	3. Recipient's Catalog No.
4. Title and Subtitle Oceanography of the Grand Banks Region of Newfoundland - 1975	5. Report Date Apr 1978	6. Performing Organization Code
7. Author(s) Mountain, DG (9) Oceanographic rept.	8. Performing Organization Report No. CG-373-75	9. Work Unit No. (TRAIS)
10. Performing Organization Name and Address COMMANDANT (G-000-1/74) US Coast Guard Headquarters Washington DC 20590	11. Contract or Grant No.	12. Type of Report and Period Covered (12) 363 p.
12. Sponsoring Agency Name and Address (14) USCG-373-75	13. Sponsoring Agency Code	14. Supplementary Notes (10) David G. / Mountain
15. Abstract During 1975 five oceanographic cruises were made by the US Coast Guard to the Grand Banks region. During April (IIP-1-75) a large anticyclonic eddy was observed between the Labrador Current and the North Atlantic Current. The eddy appeared to move southward and rejoin the North Atlantic Current. Six occupations of standard section A3, spaced throughout the year, revealed a relatively smooth pattern of variation for the Labrador Current with maximum southward transport and minimum water temperature in April changing to minimum transport and maximum temperature in November. However, repeated occupation of standard section A1 over a 54 hour period indicated that large variations in the Labrador Current transport do occur over short time scales.		
16. Key Words Grand Banks, Labrador Current Ice Patrol	17. Distribution Statement Releasable to the Public	
18. Security Classification of this report UNCLAS	19. Security Classification of this page UNCLAS	20. No. of Pages 356

086 470

JOP



OCEANOGRAPHIC REPORT

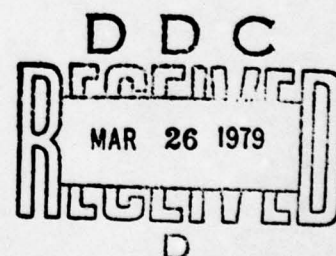
No. 373-75

78 2186

OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND

1975

David G. Mountain



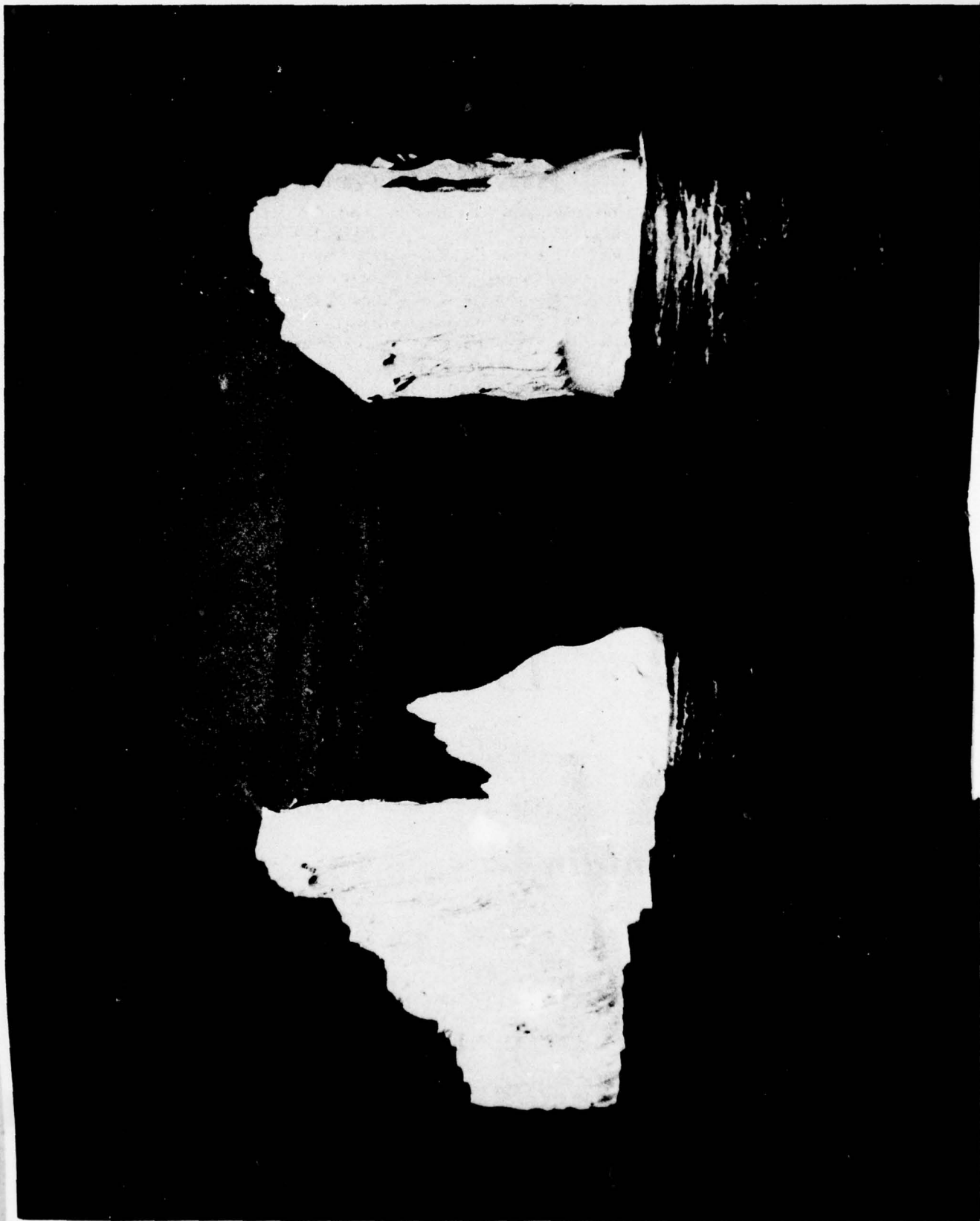
United States Coast Guard
Oceanographic Unit
Washington, D.C.

April 1978

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

79 03 23 046



ABSTRACT

During 1975 five oceanographic cruises were made by the U.S. Coast Guard to the Grand Banks region. During April (IIP-1-75) a large anti-cyclonic eddy was observed between the Labrador Current and the North Atlantic Current. The eddy appeared to move southward and rejoin the North Atlantic Current. Six occupations of standard section A3, spaced throughout the year, revealed a relatively smooth pattern of variation for the Labrador Current with maximum southward transport and minimum water temperature in April changing to minimum transport and maximum temperature in November. However, repeated occupation of standard section A1 over a 54 hour period indicated that large variations in the Labrador Current transport do occur over short time scales.

ABSTRACTED BY		
Q70	White Section	<input checked="" type="checkbox"/>
Q80	Soft Section	<input type="checkbox"/>
UNANNOUNCED		<input checked="" type="checkbox"/>
JUSTIFICATION.....		
BY.....		
DISTRIBUTION/AVAILABILITY CODE		
Dist.	AVAIL. and/or SPECIAL	
A		

Editor's note: Reference to a product or comment with respect to it in this publication does not indicate, or permit any person to hold out by republication in whole, or in part or otherwise, that the product has been endorsed, authorized, or approved by the Coast Guard.

TABLE OF CONTENTS

	<i>Page</i>
Title Page	iii
Abstract	v
Table of Contents	v
List of Figures	vii
List of Tables	1
Introduction	1
International Ice Patrol Cruises	2
Standard Section Occupations—A2, A3, A4	2
Instruments and Methods	2
International Ice Patrol Cruises	3
Standard Section Occupations	3
The Data	3
Current Meter Measurements	4
Dynamic Topography	4
Labrador Current Transport	8
References	9
Appendix A—Oceanographic Data	9

LIST OF FIGURES

<i>Figure</i>	<i>Page</i>
1. Locations of Standard and International Ice Patrol monitoring sections near the Grand Banks of Newfoundland.	10
2. Schematic diagram of current meter mooring deployed during 1975.	11
3. Normal dynamic topography of the sea surface relative to 1000 decibars for April (Scobie, 1976).	12
4. Sea surface dynamic topography relative to 1000 decibars, 4–15 April.	13
5. Sea surface dynamic topography relative to 1000 decibars, 21–25 April.	14
6. Sea surface dynamic topography relative to 1000 decibars, 26–28 May.	14
7. Sea surface dynamic topography relative to 1000 decibars, 29 May–1 June.	15
8. Sea surface dynamic topography relative to 1000 decibars, 3–6 June. --	15
9. Sea surface dynamic topography relative to 1000 decibars, 16–17 June.	16
10. Sea surface dynamic topography relative to 1000 decibars, 2–17 February.	17
11. Sea surface dynamic topography relative to 1000 decibars, 30 August–4 September.	18
12. Sea surface dynamic topography relative to 1000 decibars, 15–23 November.	19
13. Volume transport and minimum temperature measured at section A3 during 1975.	20

Figure

Page

14. XBT vertical temperature profile for Section A1. -----	21
15. (a) Temperature and (b) salinity profile for section A4, 8-9 February. -----	22
16. (a) Temperature and (b) salinity profile for section A3, 9-11 February. -----	23
17. (a) Temperature and (b) salinity profile for section A2, 12-13 February. -----	24
18. (a) Temperature and (b) salinity profile for section A3C, 8-9 April. --	25
19. (a) Temperature and (b) salinity profile for section A3B, 9-10 April. -----	26
20. (a) Temperature and (b) salinity profile for section A3A, 10-12 April. -----	27
21. (a) Temperature and (b) salinity profile for section A3, 12-14 April. --	28
22. (a) Temperature and (b) salinity profile for section A2B, 14-15 April. -----	29
23. (a) Temperature and (b) salinity profile for section A3, 21-23 April. --	30
24. (a) Temperature and (b) salinity profile for section A3A, 23-24 April. -----	31
25. (a) Temperature and (b) salinity profile for section A3B, 24-25 April. -----	32
26. (a) Temperature and (b) salinity profile for Intensive survey-I-a, 26-28 May. -----	33
27. (a) Temperature and (b) salinity profile for Intensive survey-I-b, 26-28 May. -----	34
28. (a) Temperature and (b) salinity profile for Intensive survey-I-c, 26-28 May. -----	35
29. (a) Temperature and (b) salinity profile for Intensive survey-I-d, 26-28 May. -----	36
30. (a) Temperature and (b) salinity profile for Intensive survey-I-e, 26-28 May. -----	37
31. (a) Temperature and (b) salinity profile for section A3, 30-31 May. --	38
32. (a) Temperature and (b) salinity profile for section A2B, 31 May-1 June. -----	39
33. (a) Temperature and (b) salinity profile for section A2A, 2 June. ----	40
34. (a) Temperature and (b) salinity profile for Intensive survey-II-a, 3-6 June. -----	41
35. (a) Temperature and (b) salinity profile for Intensive survey-II-b, 3-6 June. -----	42
36. (a) Temperature and (b) salinity profile for Intensive survey-II-c, 3-6 June. -----	43
37. (a) Temperature and (b) salinity profile for Intensive survey-II-d, 3-6 June. -----	44
38. (a) Temperature and (b) salinity profile for Intensive survey-II-e, 3-6 June. -----	45
39. (a) Temperature and (b) salinity profile for Drift Study section 1, 15-16 June. -----	46
40. (a) Temperature and (b) salinity profile for Drift Study section 2, 16-17 June. -----	47
41. (a) Temperature and (b) salinity profile for section A1A, 18-19 June. -----	48
42. (a) Temperature and (b) salinity profile for section A1, 29 June. -----	49
43. (a) Temperature and (b) salinity profile for section A1, 30 June-1 July. -----	50
44. (a) Temperature and (b) salinity profile for section A2, 30 August. ---	51

<i>Figure</i>	<i>Page</i>
45. (a) Temperature and (b) salinity profile for section A3, 1 September.	52
46. (a) Temperature and (b) salinity profile for section A4, 2 September.	53
47. (a) Temperature and (b) salinity profile for section A2, 15-16 November. -----	54
48. (a) Temperature and (b) salinity profile for section A3, 17-20 November. -----	55
49. (a) Temperature and (b) salinity profile for section A4, 21-23 November. -----	56

LIST OF TABLES

<i>Table</i>	<i>Page</i>
I. Summary of 1975 oceanographic observations. -----	6
II. Labrador Current volume transport estimates and minimum measured temperature. -----	7

OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND

1975

DAVID G. MOUNTAIN

INTRODUCTION

During 1975 five oceanographic cruises were made by the U.S. Coast Guard to the Grand Banks region (fig. 1). The majority of data presented were obtained during two cruises by the International Ice Patrol (April and May-June 1975) aboard the USCGC EVERGREEN (WAGO 295). These observations were made in support of Commander, International Ice Patrol to aid in the prediction of the drift of icebergs into the North Atlantic. Three additional cruises were conducted in connection with the Coast Guard Standard Section Program. Standard Sections A2, A3, and A4 were occupied in February and August by the USCGC CHASE and in November by the USCGC HAMILTON. In each case sections A3 and A4 were extended seaward of the limits shown in figure 1. A summary of the observations made on each cruise is given in Table 1.

INTERNATIONAL ICE PATROL CRUISES

April Cruise: The first Ice Patrol cruise included two oceanographic surveys. The first survey (4-15 April) consisted of sections A3C, A3B, A3A, A3, and A2B (fig. 1), while the second (21-25 April) reoccupied sections A3, A3A, and A3B. A total of 90 oceanographic casts were made using an salinity, temperature, depth environmental profiling system (STD) to yield IIP stations 11690-11779.

On April 12, during the first survey, a subsurface mooring with two current meters, deployed in June 1974, was recovered. The mooring was located at 44°41.7'N, 48°55.0'W in 587 fm (1086 m) of water. Discussion of the data from these current meters is contained in Weir (1977). Between the STD surveys a subsurface moored

current meter array was deployed on 19 April 1975 in 165 fm (305 m) of water at 45°44.0'N, 48°06.7'W. The mooring, which was retrieved in June 1975 on the second IIP cruise, is described in section Current Meter Measurements. Following the deployment, a series of casts were made around the mooring site using a conductivity, temperature, depth environmental profiling system (CTD), to allow comparison of the directly measured currents and the calculated geostrophic currents.

During transit to and from the Grand Banks region an expendable bathythermograph (XBT) survey was conducted for the National Marine Fisheries Service. When the CGC EVERGREEN was between 65°W and 70°W, an XBT was taken every hour. Forty-five such XBT measurements were made on the April IIP cruise.

The scientific party for the first IIP cruise was

Mr. R. M. Hayes—Field Party Chief
Dr. D. G. Mountain—Watch Supervisor
MSTC R. L. Lindsay—Watch Supervisor
MST1 M. Alles
MST2 P. Setser
MST3 G. Patrick
MST3 P. Christensen
MST3 D. Startt
MST3 S. Pepovitch
ET3 L. Haney

May-June cruise: The second IIP cruise consisted of three segments. The first began with an intensive STD survey in a 66x60 mile grid, the southwest corner of which was located at 43°50'N, 49°15'W. The grid, which contained five east-west sections of eight stations each, was occupied between 26-28 May. The survey was

conducted to provide input to a real-time numerical model of the Labrador Current (Kollmeyer, 1975). Following occupation of sections A3, A2B, and A2C, the intensive survey was repeated between 3-6 June to allow for the verification of the numerical model.

The second segment of the cruise involved a dual ship study of iceberg drift. While the USCGC SHERMAN (WHEC 720) stood by a medium size iceberg as it drifted, the CGC EVERGREEN made four sections, totaling 43 STD stations, perpendicular to the path of the iceberg's drift. The final section occupied coincided with IIP standard section A1A. The iceberg was followed for a period of four days (15-19 June).

During the final segment of the second IIP cruise the current meter array deployed on 19 April 1975 was recovered on 27 June 1975. On 28 June Standard Monitoring Section A1 was occupied beginning at the shallow (West) end. The trackline was then retraced dropping an XBT probe approximately every mile (57 XBT casts) after which section A1 was repeated on 1 July.

Hourly XBT measurements were again made for the National Marine Fisheries Service under the same guidelines applied to the first cruise. These data are presented in Cook (1975).

The scientific party for the second IIP cruise was

LCDR R. Scobie—Field Party Chief
MSTC N. Lemoine—Watch Supervisor
MSTC R. Lindsay—Watch Supervisor
MST1 A. Felt
MST1 M. Alles
MST3 S. Friday
MST3 D. Startt
MST3 S. Popovitch
SNMST J. Murdy
SNMST K. Munzert
SNMST J. Ferguson
ET2 J. Ogle

Standard Section Occupations—A2, A3, A4

The USCGC CHASE (WHEC 718) occupied standard sections A2, A3, and A4 between 2-17 February. The measurements were made using Nansen bottles with deep sea reversing thermometers. The CGC CHASE reoccupied these same sections between 30 August-4 September using

an STD profiling system. A third occupation of standard sections A2, A3, and A4 was accomplished by the USCGC HAMILTON (WHEC 715) from 15 to 23 November using Nansen bottles with reversing thermometers.

INSTRUMENTS AND METHODS

IIP Cruises: The STD measurements were made with a Plessey 9040 STD profiling system. The three analog FM signals from the STD deck unit (depth, temperature, and salinity) were converted to binary decimal frequency values (integer cycles per second) by General Radio Model 1192 frequency counters and digitized by a Sonycraft Co. Digital Data Logger (DDL). The digitized frequency values were then recorded on 1/2 inch computer compatible seven track magnetic tape by a Kennedy 1600R incremental tape recorder. The observations of depth, temperature, and salinity were made simultaneously at a one second rate and recorded serially on the magnetic tape.

The recorded data was processed through a series of three programs on a CDC-3300 computer to yield the final data values listed in this report. The original data tape was input to program NEWDL which converted the frequency data to geophysical units. The converted data was both printed out and written on a separate magnetic tape. From the printout the first and last good data levels were determined, as were values for comparison with quality control samples to derive temperature and salinity correction values (see below). The NEWDL output tape was used as input to program AVMUL. This program deleted all observations in which the depth decreased from the previous observation, applied the quality control correction values, calculated sigma-t for each observation, averaged temperature and salinity values for observations at the same depth, and from those determined an average sigma-t at each depth. The output of AVMUL was both a printout and a magnetic tape. The printout was reviewed to identify bad data points which resulted in unrealistic instabilities in the water column, primarily due to the slow thermometer response time in regions of sharp thermal gradient. The stability criteria used is that established by the National Oceanographic Data Center. The AVMUL output tape was input to program FINPT which deleted selected levels, reaveraged the values at common

depths, and determined temperature, salinity, and sigma-t values at standard levels and significant points in a manner described by Rosebrook (1974). The output of FINPT represented the final form of the data as presented in this report.

For the stations occupied using a Plessey 9040 CTD profiling system the same acquisition and processing scheme was used with one modification. In program NEWDL the conductivity value was converted to a salinity value using equations developed by Brown as presented by Jaeger (1973).

The data in its final form was processed through program XPORT. This program calculated dynamic height values relative to 1000 dbar level and from those, geostrophic currents between stations on a section. Dynamic height values for stations less than 1000 m were calculated relative to a 1000 dbar reference level using a method described by Kollmeyer et. al. (1967), based on the technique developed by Helland-Hansen (1934). The method treats the sediment under the shallow stations as motionless water. The technique is subjective and introduces some uncertainty in the calculation of current and transport values, particularly for the Labrador Current which usually straddles the 1000 m isobath.

For quality control a Nansen bottle with two protected and two unprotected deep sea reversing thermometers was placed approximately three meters above the STD instrument on each cast and was tripped at the deepest depth of the cast, after allowing sufficient soak time. Surface temperature and water samples were obtained at alternate stations by bucket. Salinity values were determined by a Plessey 6220 salinometer. The difference between the Nansen bottle and the recorded STD values yielded temperature and salinity corrections. The correction values for the surface and 1000 m were plotted against time for each instrument to identify periods during which the instrument offset was fairly constant. Within each period an average temperature and salinity correction was determined. The correction values at mid-depth were used to check the shear between the surface and the 1000 m values. The surface temperature corrections were highly scattered; therefore the 1000 m values were used as a correction constant with depth and ranged from $+0.13^{\circ}\text{C}$ to -0.05°C . The salinity cor-

rection values varied from $+0.053\text{‰}$ to -0.053‰ at the surface and 0.079‰ to -0.017‰ at 1000 m.

Standard Monitoring Section Occupations: The standard section cruises employed both an STD system and standard Nansen bottle casts at different times. The Nansen casts were processed in accordance with CG 410. The STD data were recorded in analog form on a Leeds and Northrup ink pen recorder. The temperature and salinity values were read from the analog trace at standard levels and significant points. Temperature and salinity correction values were derived from quality control samples obtained by a Nansen bottle attached above the STD instrument and tripped at the deepest depth of the cast.

THE DATA

The STD data discussed above are presented at the end of this report. The temperature and salinity distributions along each section of stations occupied are presented in chronological order in figs. 15 to 49.

CURRENT METER MEASUREMENTS

A current meter mooring was deployed during the first IIP cruise on 19 April at $45^{\circ}44.0'\text{N}$, $48^{\circ}06.1'\text{W}$ in 305 m of water. The mooring was successfully recovered during the second IIP cruise on 26 June. The deployment was accomplished from the buoy deck of the CGC EVERGREEN by an anchor-last technique.

The mooring (fig. 2) included one AMF Corporation vectoring averaging current meter (model number 610B, serial number 282), an AMF Corporation acoustic release (model 284, serial number 174), and an inclinometer, a depth gage, and a tensiometer manufactured by General Oceanics Inc. Flotation was provided by twelve 16" corning glass balls in plastic hard hats. The mooring was designed through use of a computer program adapted from one developed by Berteau and Chhabra (1973). The results from the various instruments were to be compared against the mooring configuration predicted by the computer program.

All of the instruments functioned properly with the exception of the current meter, which malfunctioned and yielded no reliable data. Examination of the meter by the manufacturer indicated that the current meter malfunctioned

at cold temperatures comparable to the water temperature in the area of the mooring site ($<4^{\circ}\text{C}$).

Due to the current meter failure, the other data obtained in connection with the mooring are not presented. The mooring line tension and inclination, and current meter depth, as recorded by the additional instrumentation, were compatible with the computer prediction for anticipated current speeds.

DYNAMIC TOPOGRAPHY

The circulation regime in the Grand Banks area is usually characterized by a cold, narrow Labrador Current flowing southward along the steep continental slope and by a warm broad North Atlantic Current flowing northeastward further off shore to the east. The corresponding dynamic topography (fig. 3) derived from monthly mean values (Scobie, 1976) is characterized by closely spaced contours indicating the two currents and widely spaced contours forming a broad dynamic trough between them.

The dynamic topography for the first IIP survey (8 to 20 April, fig. 4) indicates the Labrador Current flowing southward over the steep slope along the eastern edge of the Grand Banks, generally between the 500 and 2000 m isobaths. The maximum geostrophic velocities in the current ranged from 28–65 cm/sec at the different sections. Along the eastern edge of the survey area the North Atlantic Current flowed northeastward with speeds of 45–75 cm/sec. Between the two currents was a large (130 km diameter) anticyclonic eddy, centered at $44^{\circ}30'\text{N}$, $48^{\circ}00'\text{W}$. The presence of the eddy was likely responsible for a portion of the Labrador Current being diverted to the east along the northern side of the eddy. The warm core eddy probably was shed from the North Atlantic Current in a manner similar to that observed on the north side of the Gulf Stream (Saunders, 1971). The temperatures and geostrophic current across section A3A (figs. 20a and c), which passed through the eddy, indicate that the eddy structure extended at least to 1000 m depth. If a significant secondary circulation was driven by viscous forces within the eddy, the secondary flow at the surface would be radially outwards. The implication would be that icebergs would tend to remain on the periphery of the eddy and not be drawn to the eddy interior.

The Labrador Current during the second survey (21–25 May), as revealed by the dynamic topography (fig. 5), changed little from the first survey. The anticyclonic eddy appeared to have moved southeastward and rejoined the North Atlantic Current, although the limited nature of the survey precludes full delineation of the feature. This southeastward movement of the eddy approximately paralleled to local bottom topography, which would be expected for bathymetrically controlled eddy movement (Warren, 1967). Estimation of the speed of the movement is difficult since the eddy could have intersected the North Atlantic Current at any time between the surveys. The displacement of the eddy/meander center over the time between the surveys yields a speed of only 1 cm/sec.

The dynamic topography for both intensive surveys (figs. 6 and 8) indicate the Labrador Current flowed south over the steep continental slope, as is normally observed. Both also indicate that the North Atlantic Current entered the area from the southeast, turned clockwise, and exited to the northeast. The major change which occurred in the 8–10 days between the observations was that the dynamic trough between the Labrador Current and the North Atlantic Current deepened (970.92 dyn m to 970.88 dyn m) and extended southward. The standard sections occupied between the intensive surveys (fig. 7) suggest that the curving of the North Atlantic Current in figs. 6 and 8 was part of an eddy/meander feature similar to that observed in the April surveys.

The standard sections occupied in February, August, and November do not allow contouring of the dynamic topography due to the large spatial separation between the sections. The dynamic height values for each survey are plotted in figs. 9, 10, and 11, with the direction of the surface geostrophic current indicated by an arrowhead.

LABRADOR CURRENT TRANSPORT

The spatial and temporal variations of the transport of water by the Labrador Current may be investigated by comparing the calculated geostrophic volume transports at the various sections occupied. Due to inherent inaccuracies in the method of calculation, the variations are likely significant only in their general trend and not in their exact magnitude. The minimum tempera-

ture observed and three measures of the Labrador Current transport (total, $<2^{\circ}\text{C}$, $<0^{\circ}\text{C}$) are given in Table II for each of the sections occupied.

Considering sections occupied nearly simultaneously (within the same survey) a general decrease in transport and increase in minimum temperature is noticed in going from north to south. These spatial changes are expected since, as the water in the current moves southward, it continuously mixes with the warmer water offshore in the North Atlantic Current to form a large pool of mixed water (Hawley and Soule, 1940) in the dynamic trough between the two currents. The decrease in southward transport suggests that no major contribution is made to the Labrador Current by water from the Grand Banks region to the west. Apparent influxes of water from the Grand Banks indicated in the dynamic topography (e.g., fig. 6) are likely due to a lack of synopticity in the data, as well as being an artifact of the extrapolation technique used in shallow water.

The temporal change in the Labrador Current transport is seen by comparing the values at section A3, which was occupied six times during the year (fig. 13). All three measures of the volume transport increase to a maximum in April and decrease during the rest of the year. The maximum total southward transport in April is

approximately twice the minimum value in November. The minimum temperature also exhibits extremes in April and November, with the April value being more than two degrees colder than observed in November.

A second view of the temporal change in the Labrador Current is obtained from the three occupations of section A1 (two by STD, one by XBT) within a 58 hour period. The geostrophic currents indicate an increase in transport, particularly of cold ($<0^{\circ}\text{C}$) water, over that time. The temperature cross sections (figs. 14, 39A, and 40A) show the area of cold water increasing with time. The -1°C envelope extended eastward more than 20 km over the outer shelf during the period. The XBT section temperature distribution, while more patchy, is intermediate between the STD observations, suggesting that a progressive change was occurring in the Labrador Current properties. The implication is that, while a fairly smooth yearly pattern may be evident in fig. 13, significant changes in water properties and volume transport do occur on relatively short time scales. Similar results have been obtained by repeated occupation of section A3 closely spaced in time (Wolford, 1966).

Acknowledgement: M. Alles, S. Friday, N. Lemoine, B. Peters, and D. Startt are thanked for their work in processing of the data presented in this report.

TABLE I—SUMMARY OF 1975 OCEANOGRAPHIC OBSERVATIONS

International Ice Patrol Cruises

	<i>DATE</i>	<i>SECTION</i>	<i>OBS</i>	<i>METHOD</i>
EVERGREEN -----	4/8-15	A3C, A3B, A3A, A3, A2B	55	STD
	4/21-25	A3, A3A, A3B	35	STD
	5/26-28	Intensive Survey I	40	STD
	5/29-6/1	A3, A2B, A2C	34	STD
	5/3-6	Intensive Survey II	40	STD
	6/15-19	Iceberg Drift	43	STD
	6/29	A1	12	STD
	6/30	A1	57	XBT
	6/30-7/1	A1	12	STD
Standard Section Cruises				
CHASE -----	2/2-17	A2, A3, A4	36	Nansen Bottle
CHASE -----	8/30-9/2	A2, A3, A4	34	STD
HAMILTON -----	11/15-23	A2, A3, A4	43	Nansen Bottle

TABLE II—LABRADOR CURRENT VOLUME TRANSPORT ESTIMATES

SECTION	MINIMUM TEMPS (°C)	VOL ($\times 10^6$ m ³ /sec)		
		NET	<2°C	<0°C
IIP-1-75				
A3C	-1.44°	3.92	1.77	0.21
A3B	-1.46°	7.40	0.28	0.01
A3A	-1.39°	1.37	1.09	0.44
A3	-1.58°	2.73	2.53	1.46
A2B	-1.59°	2.46	2.35	1.26
A3	-1.45°	3.64	2.41	0.00
A3A	-1.39°	1.91	1.89	0.00
A3B	-1.33°	2.10	2.05	0.00
IIP-2-76				
Intensive Survey I				
a	-1.18°	4.45	3.16	0.95
b	-0.99°	3.98	3.34	0.96
c	-1.11°	1.13	0.97	0.15
d	-1.45°	2.58	2.07	0.78
e	-1.17°	4.93	2.79	1.17
A2A	-1.42°	1.66	1.43	0.30
A2B	-1.47°	1.97	1.51	0.30
A3	-0.92°	3.06	2.07	0.01
Intensive Survey II				
a	-1.34°	3.77	2.97	0.65
b	-1.32°	3.29	1.51	0.41
c	-0.47°	1.56	1.31	0.00
d	-1.37°	0.77	0.76	0.03
e	-0.42°	2.44	1.79	0.00
A1-1	-1.57°	2.49	1.14	0.19
A1-2	-1.60°	2.87	1.50	0.91
STANDARD SECTION CRUISES				
February				
A2	-1.33°	2.83	1.57	0.69
A3	-1.16°	2.12	1.45	0.86
A4	-0.46°	2.91	1.92	0.00
August				
A2	-1.52°	2.52	1.07	0.45
A3	-1.19°	2.05	2.05	0.45
A4	-0.76°	0.34	0.34	0.10
November				
A2	-0.18°	2.03	0.33	0.00
A3	+0.51°	1.69	0.04	0.00
A4	+2.39°	1.79	0.00	0.00

REFERENCES

- Berteaux, H. P. and N. K. Chhabra (1973). Computer programs for the static analysis of single point moored surface and subsurface buoy systems. Woods Hole Oceanographic Institution Technical Report WHOI-73-22.
- Cook, S. (1975). In *the Gulf Stream, I* (8), pp. 6-7.
- Hawley, W. P. and F. M. Soule (1940). International Ice Observations and Ice Patrol Service in the North Atlantic Ocean—season of 1939.
- Helland-Hansen, B. (1934). The Sognefjord section. Oceanographic observations in the northernmost part of the North Sea and the southern part of the Norwegian Sea. J. Johnston Memorial Volume, Liverpool, 1934.
- Jaeger, K. K. (1973). The determination of salinity from conductivity, temperature and pressure measurements. STD Conference and Workshop Proceedings. January 24-26, 1973, San Diego, California.
- Kollmeyer, R. C. (1975). Labrador Current predictive model, Ph. D. thesis, University of Connecticut, 74 pp.
- Kollmeyer, R. C., D. A. McGill, and N. Corwin (1967). Oceanography of the Labrador Sea in the vicinity of Hudson Strait in 1965. U.S. Coast Guard Oceanographic Report, No. 12, CG 373-12.
- Rosebrook, A. D. (1974). Oceanography of the Grand Banks region of Newfoundland, April-August, 1971. U.S. Coast Guard Oceanographic Report. No. 60, CG 373-60.
- Saunders, P. M. (1971). Anticyclonic eddies formed from shoreward meanders of the Gulf Stream. Deep Sea Research 18, 1207-1219.
- Scoble, R. (1976). Oceanography of the Grand Banks region of Newfoundland, March 1971-December 1972. U.S. Coast Guard Oceanographic Report, No. 70, CG 373-70.
- Warren, B. A. (1967). Notes on transitory movement of rings of current with application to Gulf Stream eddies. Deep Sea Research 14, 505-524.
- Weir, C. R. (1977). Oceanography of the Grand Banks region and the Labrador Sea in 1974. U.S. Coast Guard Oceanographic Report (In press).
- Wolford, T. C. (1966). Oceanography of the Grand Banks region and the Labrador Sea in 1966. U.S. Coast Guard Oceanographic Report No. 13, CG 373-13.

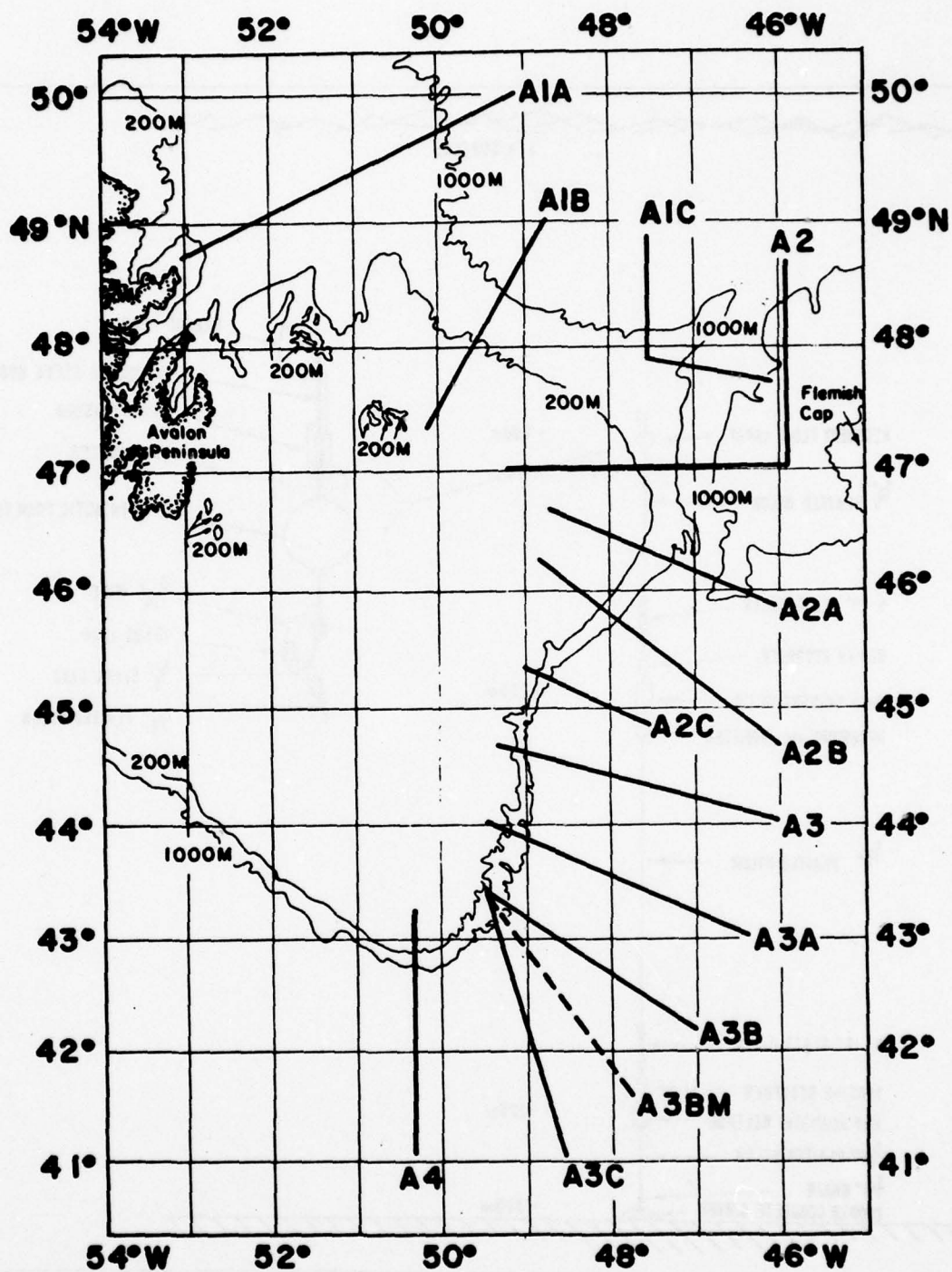


FIGURE 1. Locations of Standard and International Ice Patrol monitoring sections near the Grand Banks of Newfoundland.

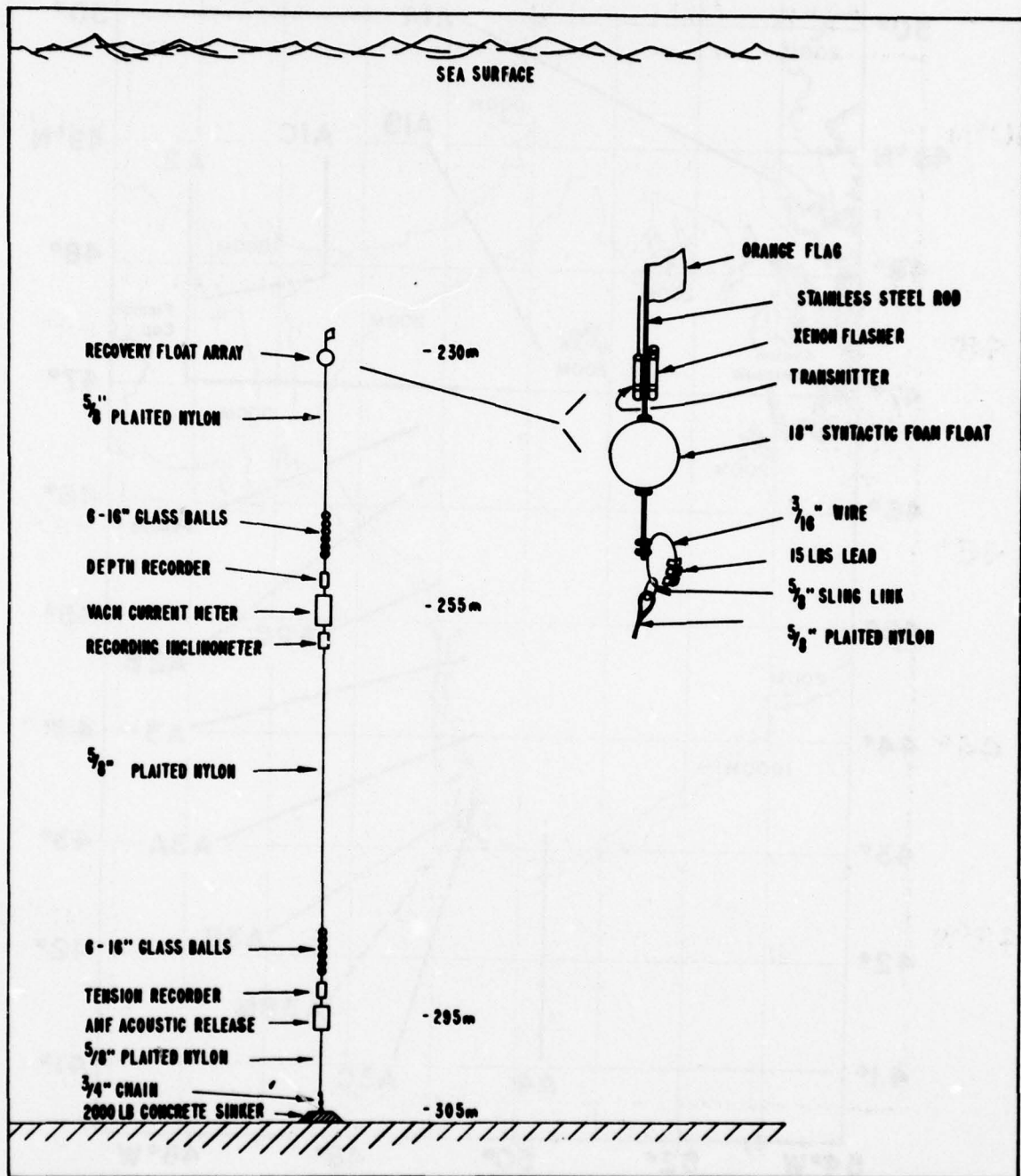


FIGURE 2. Schematic diagram of current meter mooring deployed during 1975.

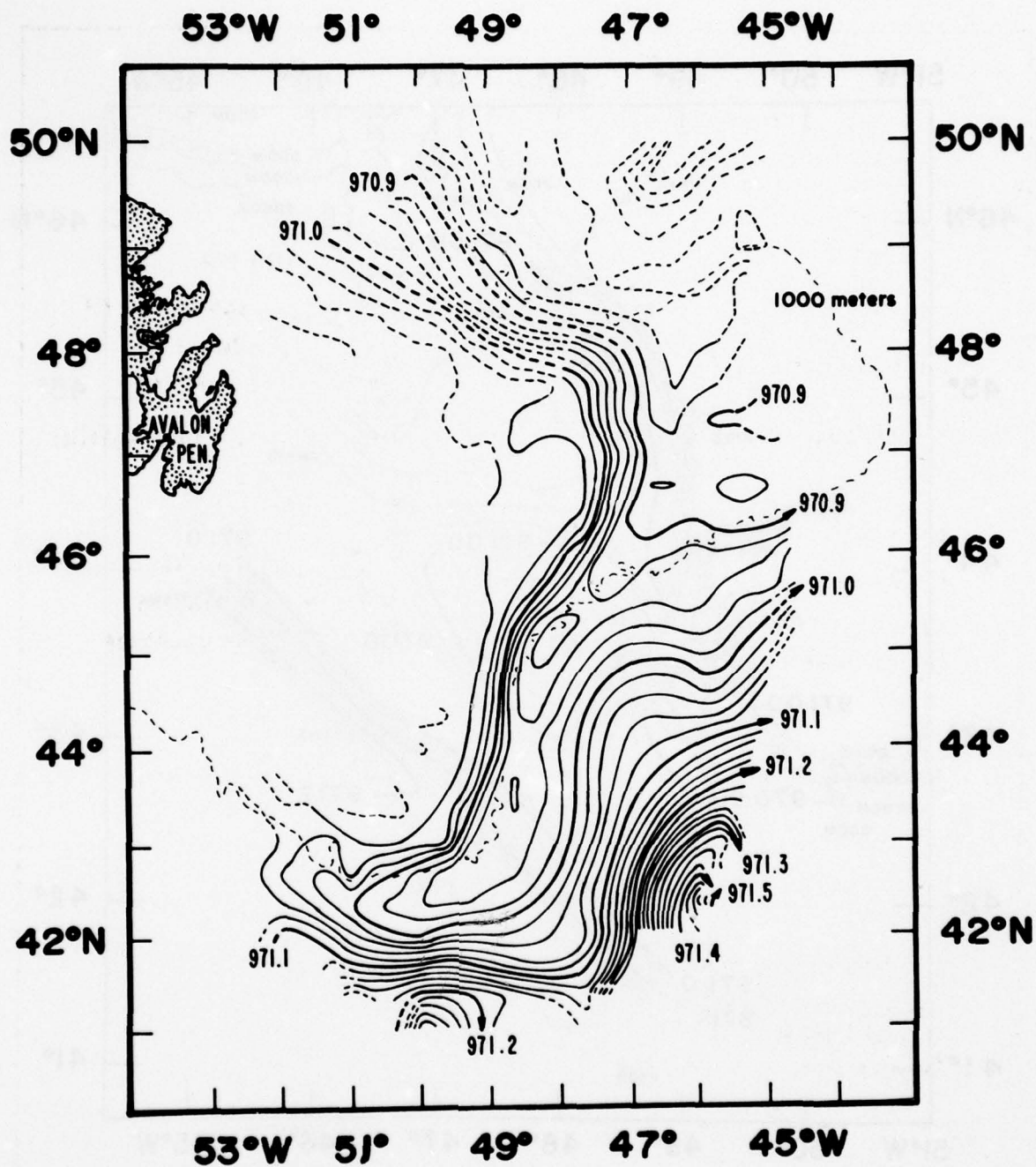


FIGURE 3. Normal dynamic topography of the sea surface relative to 1900 decibars for April (Scoble, 1978). Contour interval is 2 dynamic centimeters.

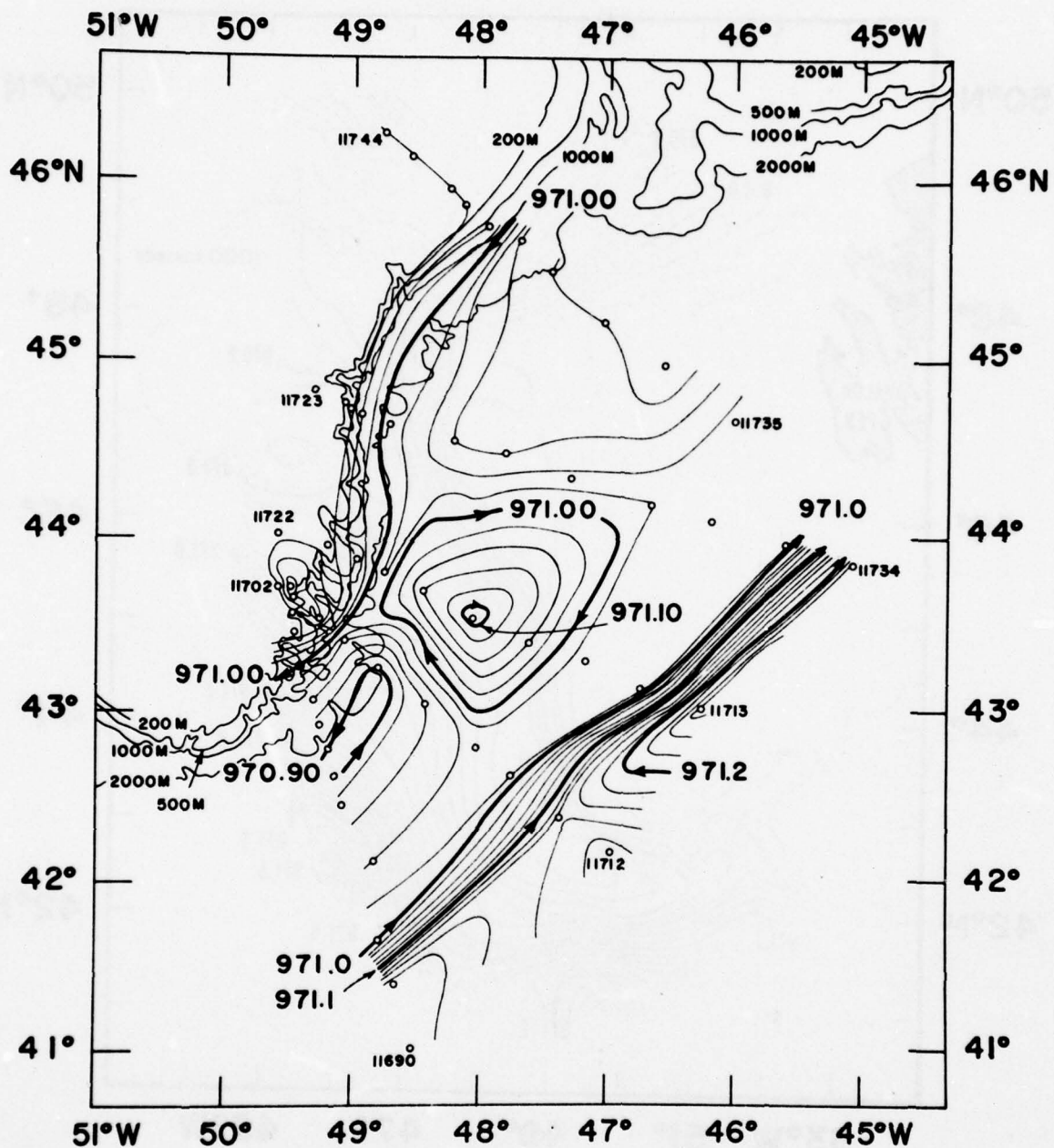
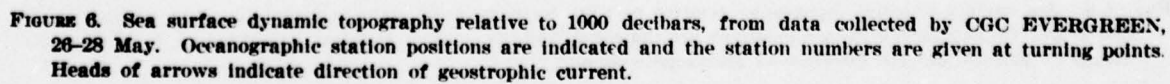
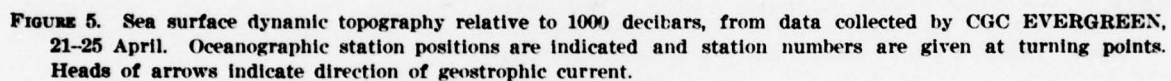


FIGURE 4. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 4-15 April. Oceanographic station positions are indicated and station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.



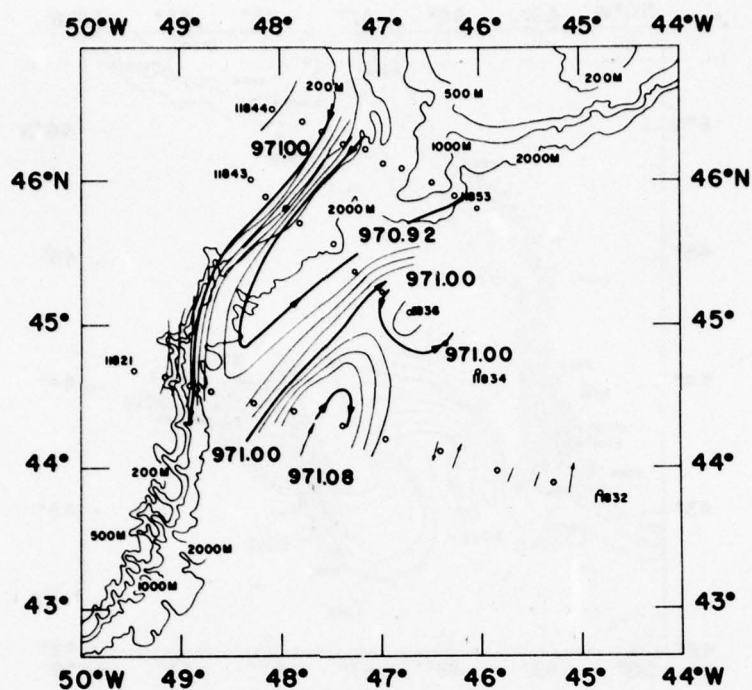


FIGURE 7. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 29 May-1 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.

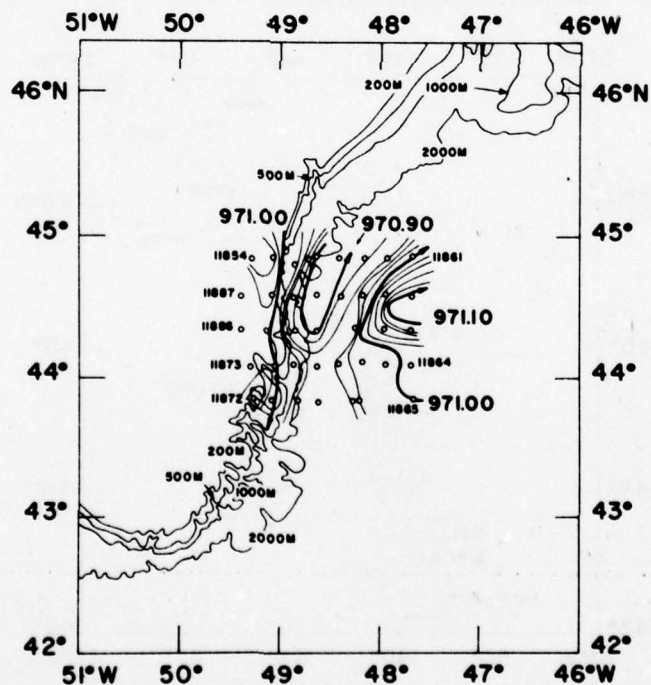


FIGURE 8. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 3-6 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.

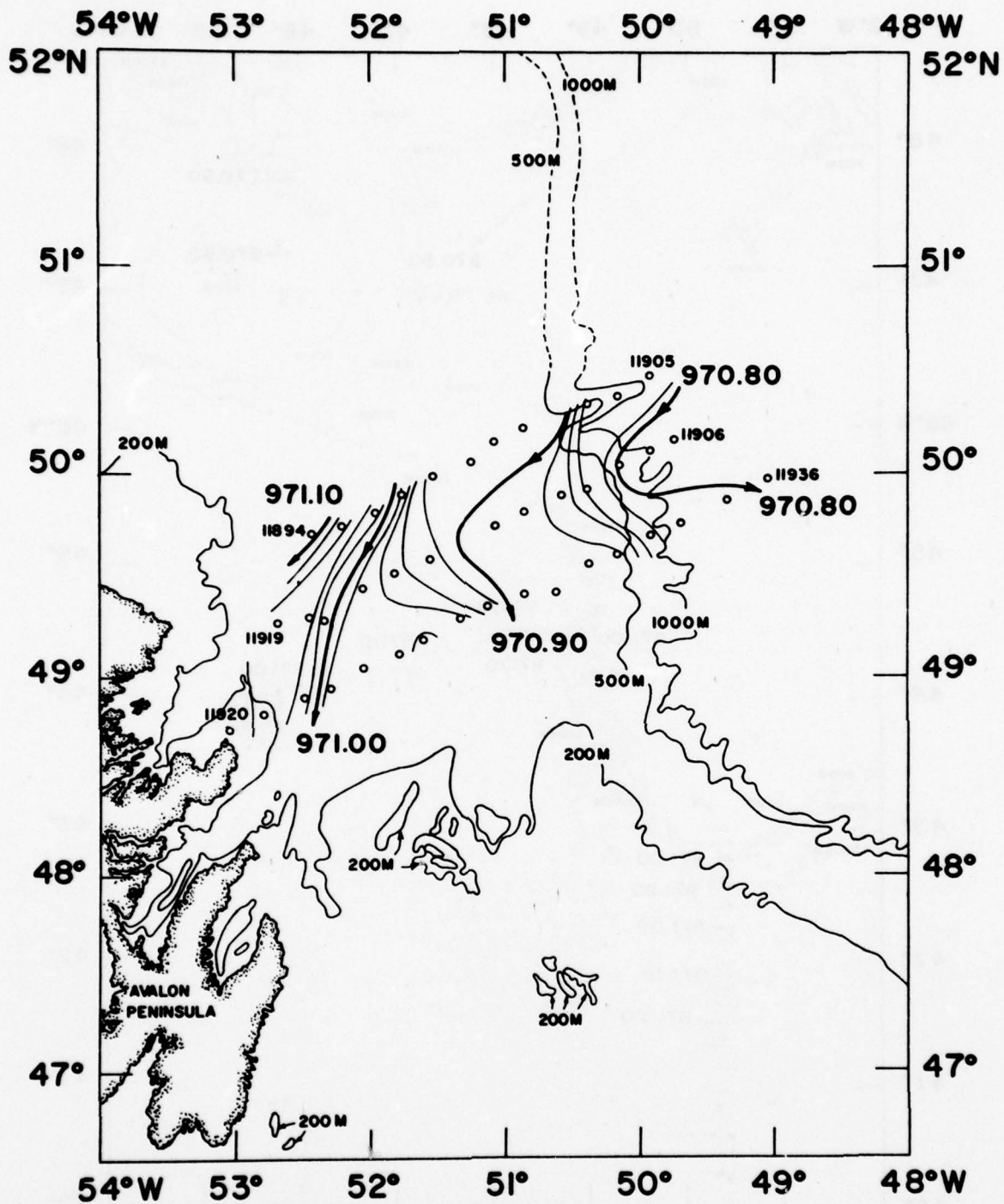


FIGURE 9. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 16-17 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.

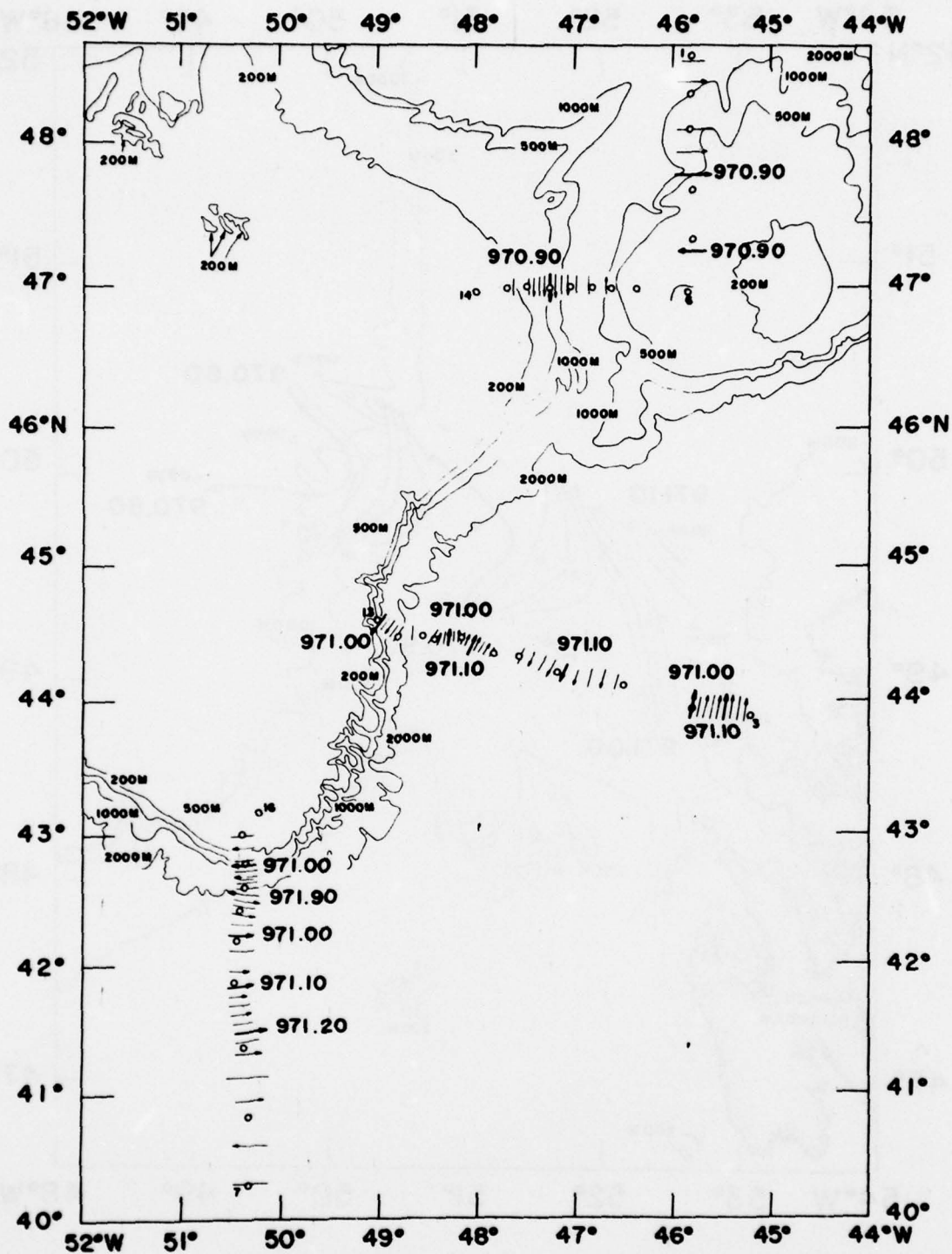


FIGURE 10. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC CHASE, 2-17 February. Oceanographic positions are indicated. Heads of arrows indicate direction of geostrophic current.

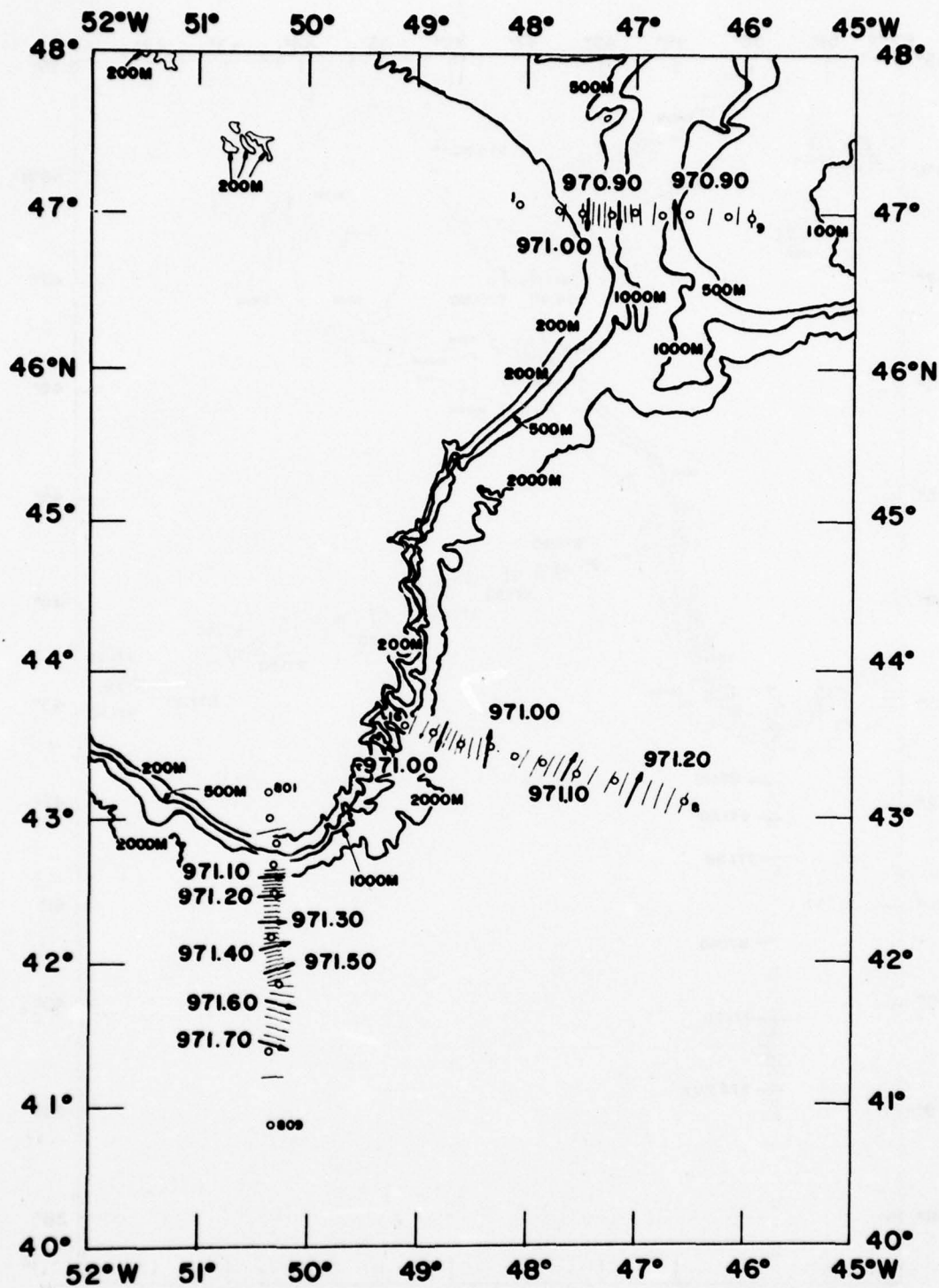


FIGURE 11. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC CHASE, 30 August-4 September. Oceanographic positions are indicated. Heads of arrows indicate direction of geostrophic current.

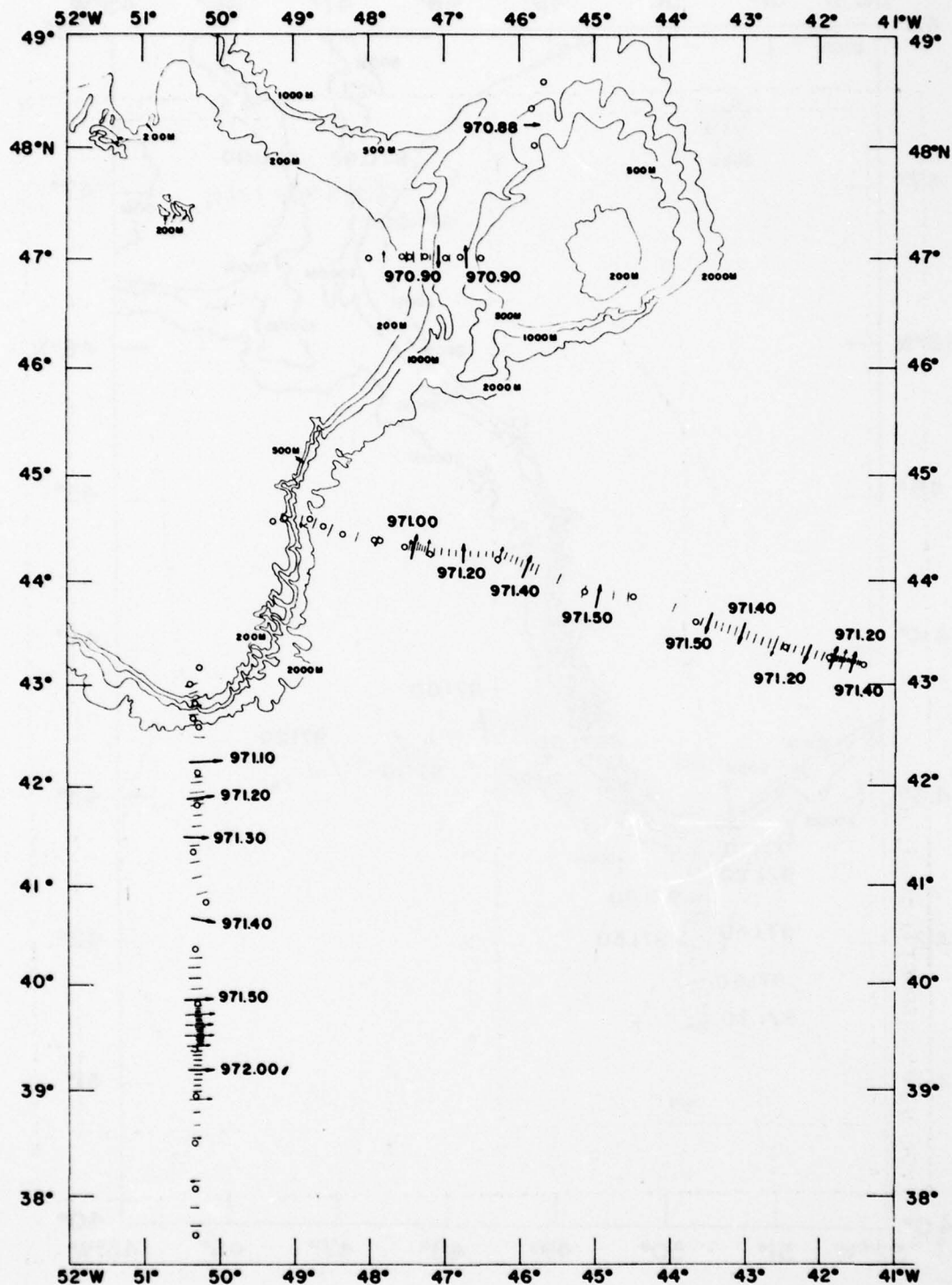


FIGURE 12. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC HAMILTON, 15-23 November. Oceanographic station positions are indicated. Heads of arrows indicate direction of geostrophic current.

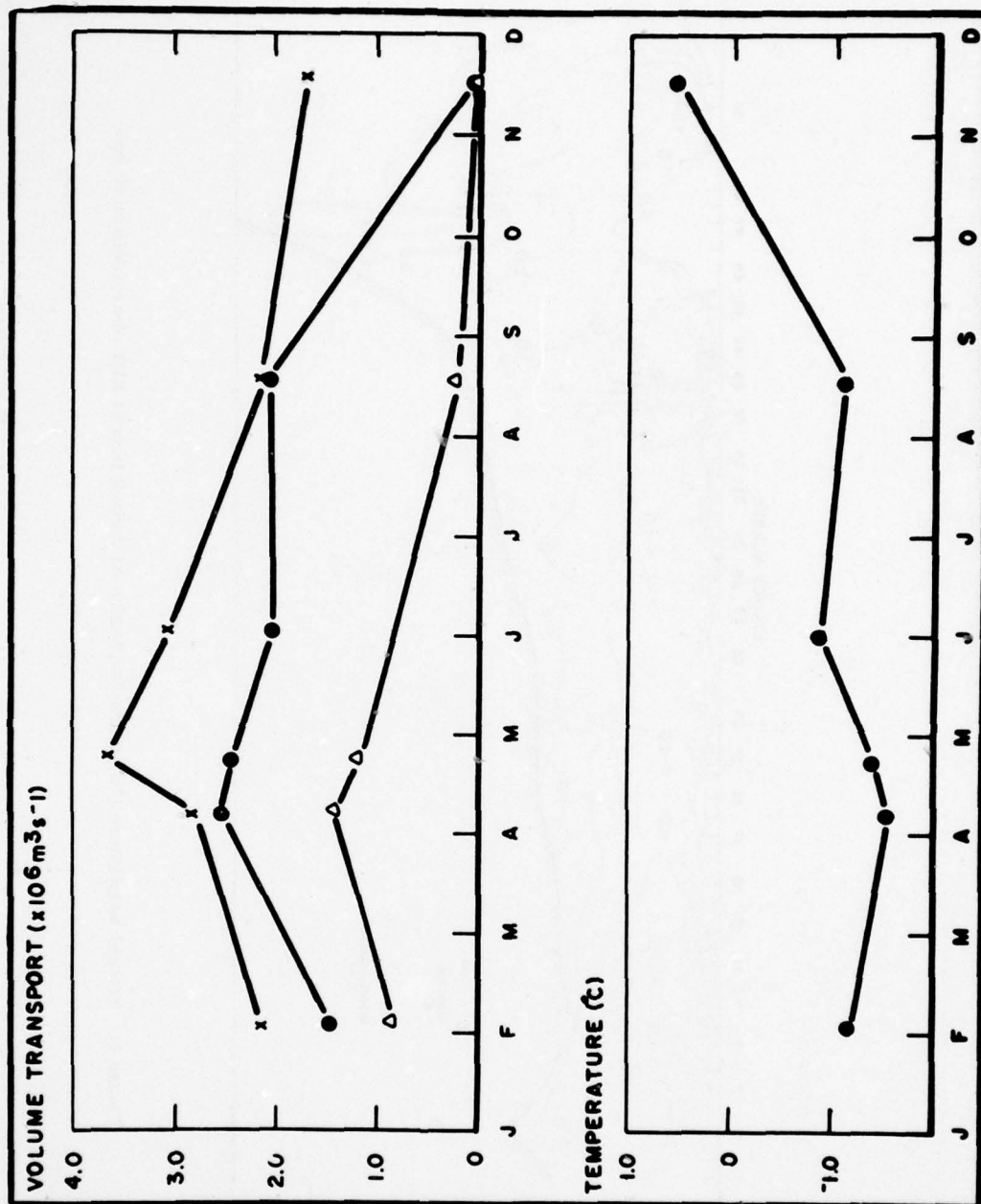


FIGURE 13. Total volume transport (x—x), transport of water $< 2^\circ\text{C}$ (—•—), transport of water $< 0^\circ\text{C}$ (Δ -- Δ), and minimum temperature ($^\circ\text{C}$) measured at section A3 during 1975.

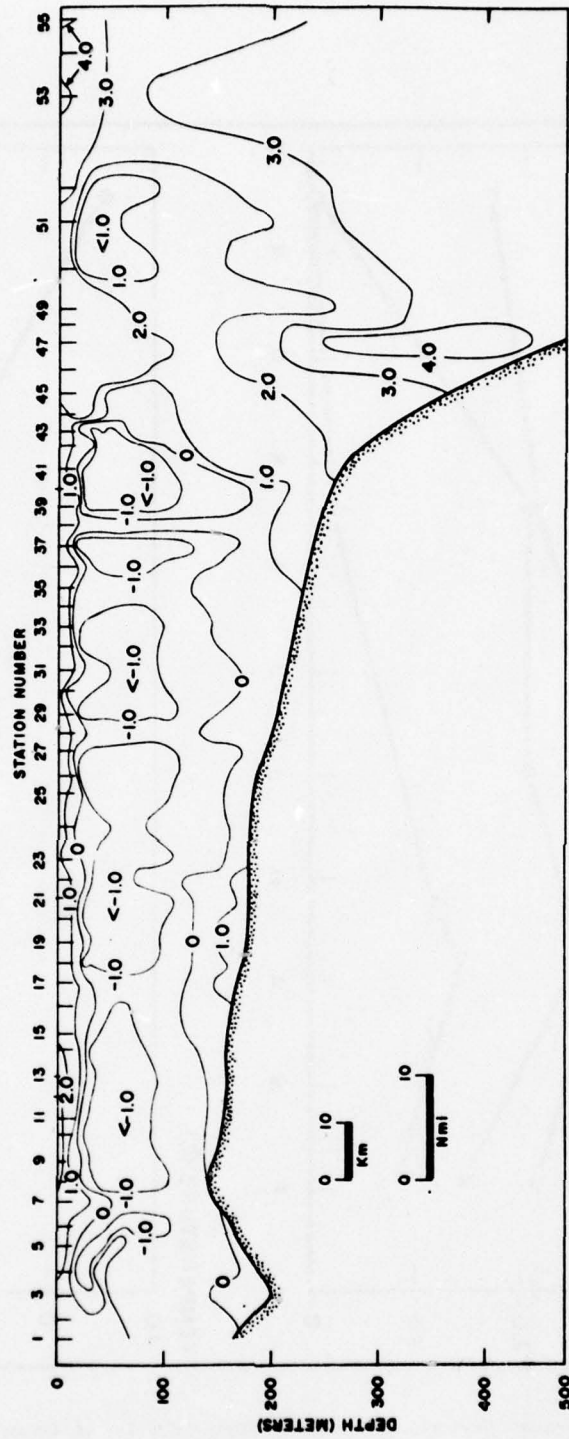


FIGURE 14. Vertical temperature ($^{\circ}\text{C}$) profile for Section A1 derived from 54 XBT observations on 30 June.

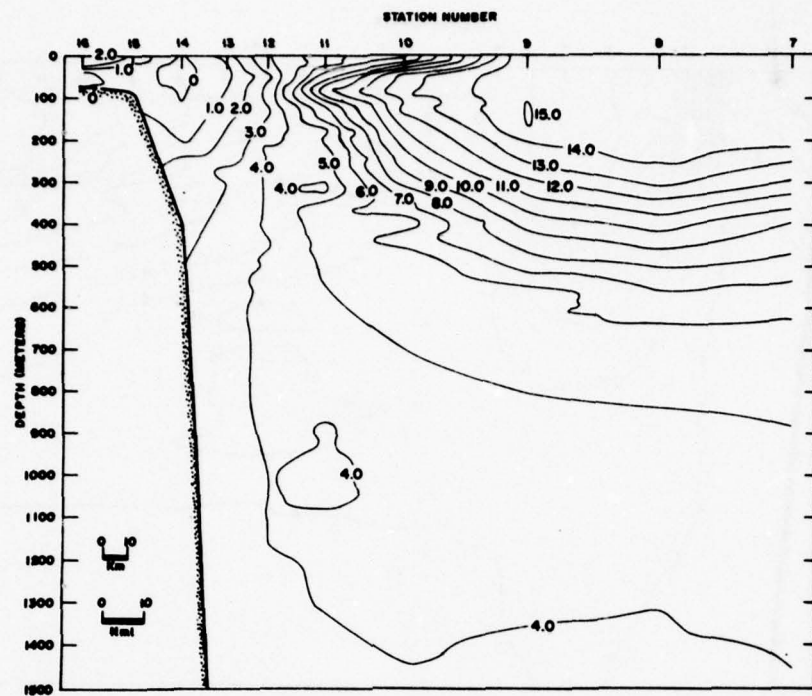


FIGURE 15a. Vertical temperature ($^{\circ}\text{C}$) profile for section A4 from data obtained by CGC CHASE, 8-9 February 1975.

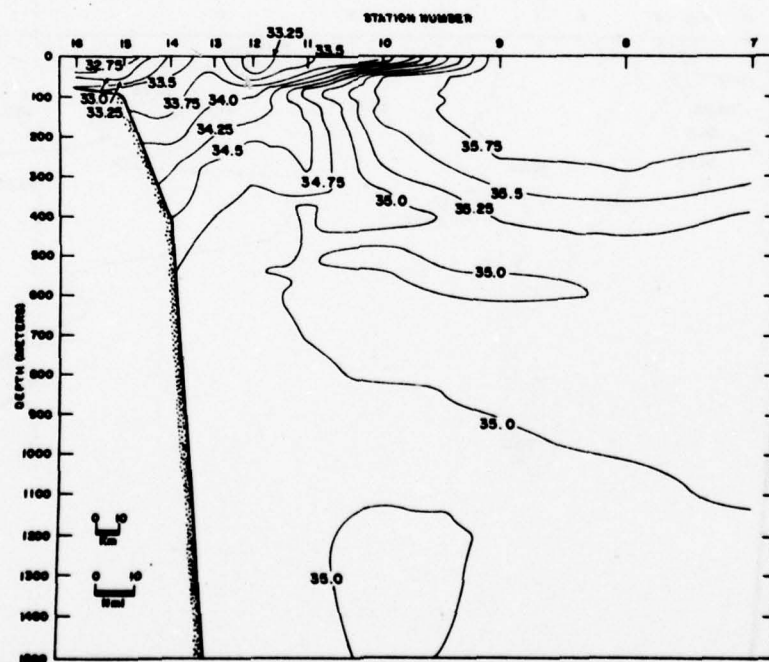


FIGURE 15b. Vertical salinity (‰) profile for section A4 from data obtained by CGC CHASE, 8-9 February 1975.

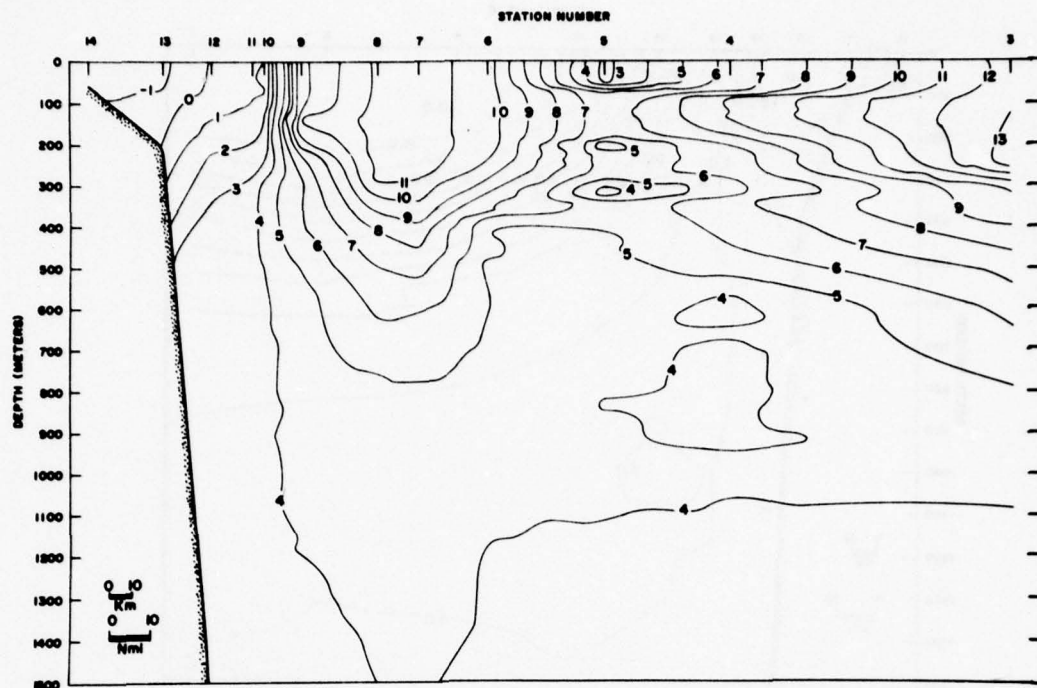


FIGURE 16a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC CHASE, 9-11 February 1975.

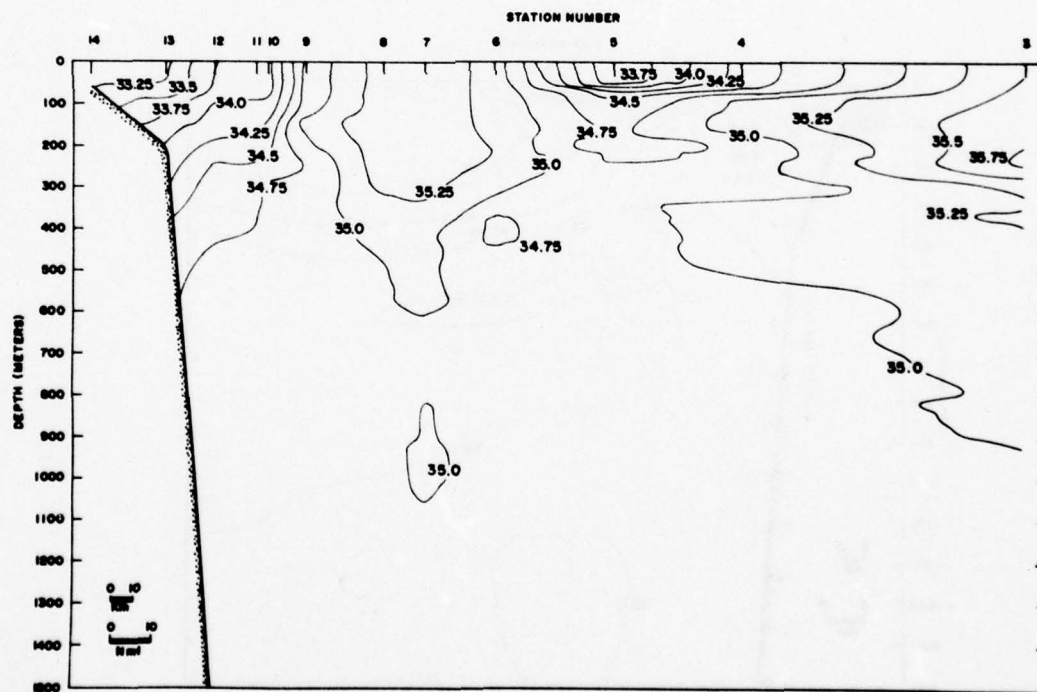


FIGURE 16b. Vertical salinity (‰) profile for section A3 from data obtained by CGC CHASE, 9-11 February 1975.

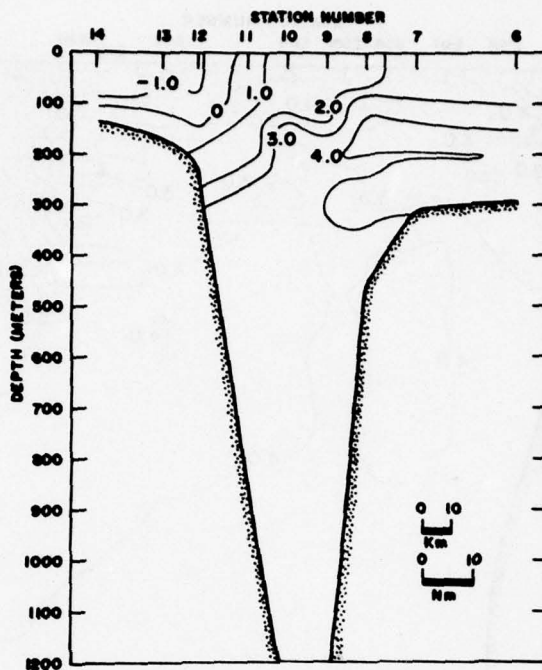


FIGURE 17a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2 from data obtained by CGC CHASE, 12-13 February 1975.

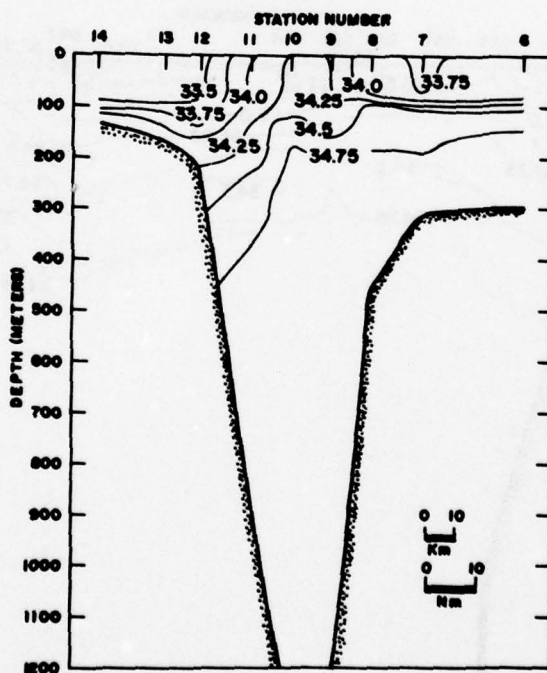


FIGURE 17b. Vertical salinity (‰) profile for section A2 from data obtained by CGC CHASE, 12-13 February 1975.

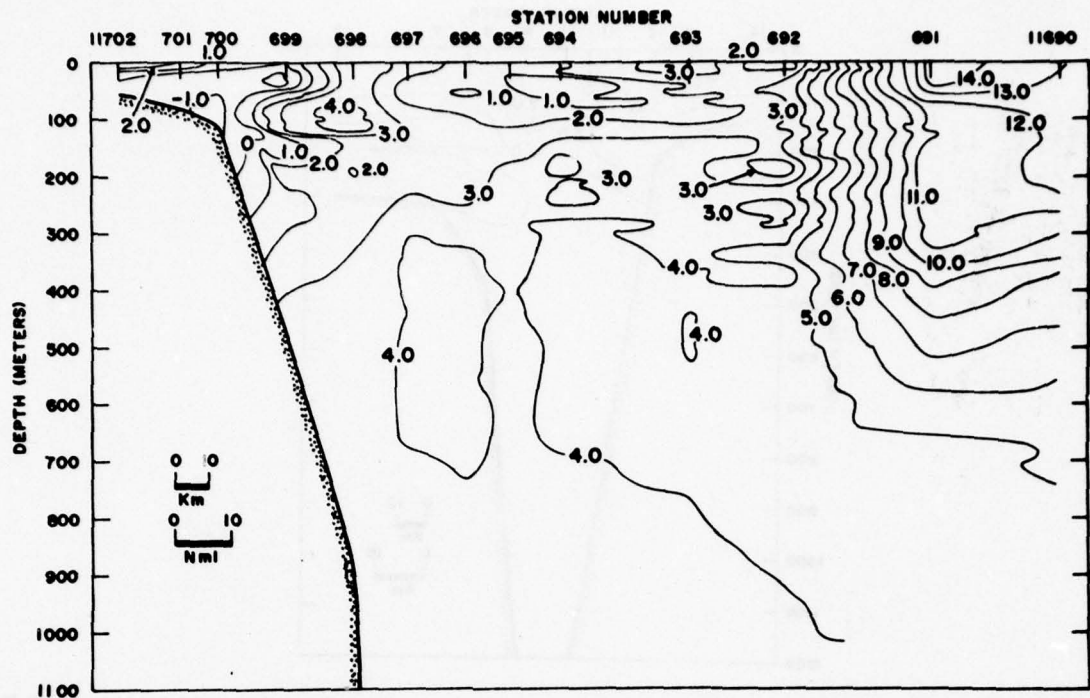


FIGURE 18a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3C from data obtained by CGC EVERGREEN, 8-11 April 1975.

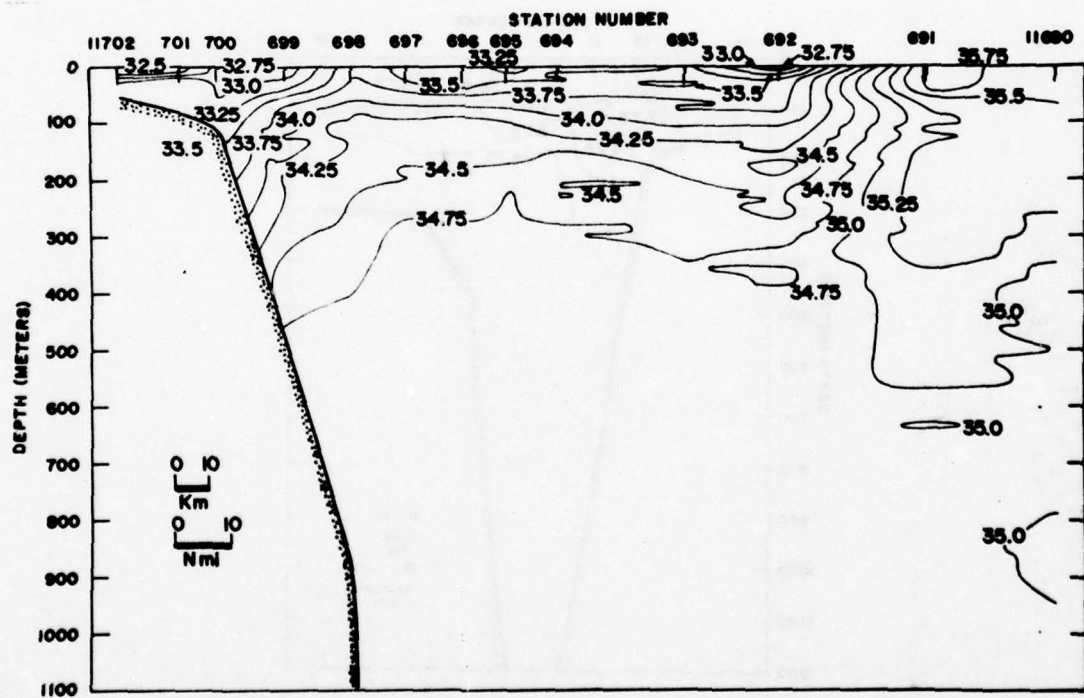


FIGURE 18b. Vertical salinity (‰) profile for section A3C from data obtained by CGC EVERGREEN, 8-11 April 1975.

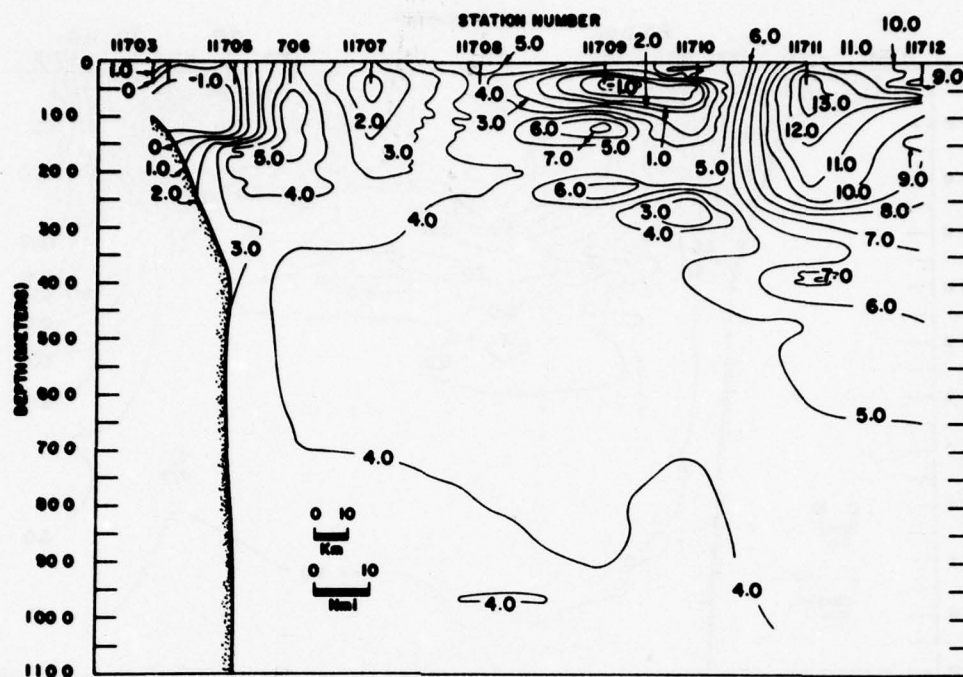


FIGURE 19a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3B from data obtained by CGC EVERGREEN, 9-10 April 1975.

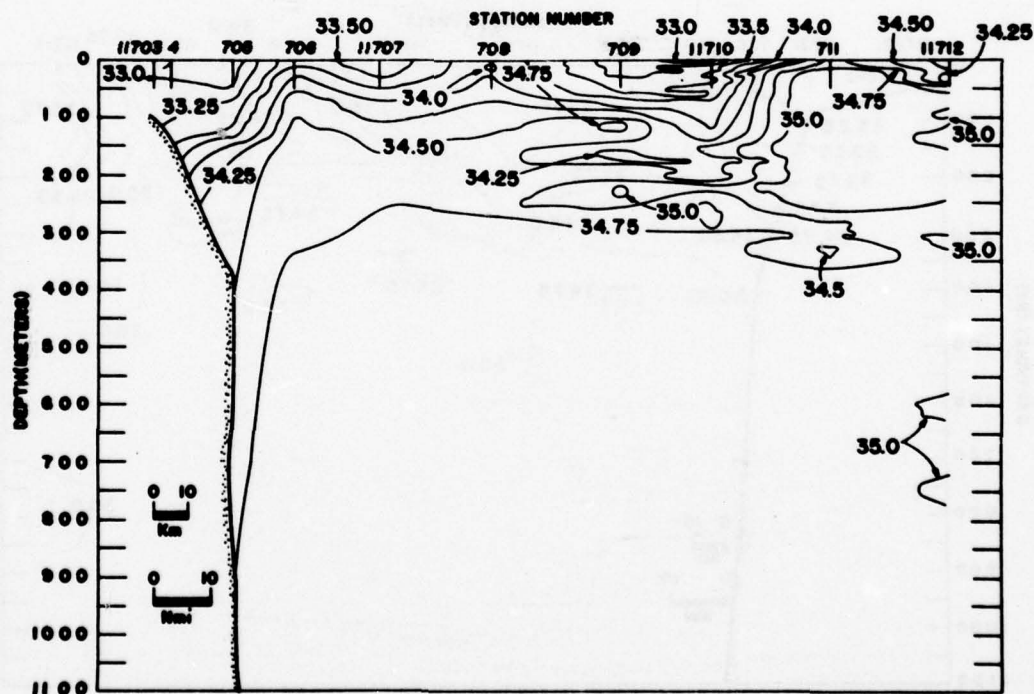


FIGURE 19b. Vertical salinity (‰) profile for section A3B from data obtained by CGC EVERGREEN, 9-10 April 1975.

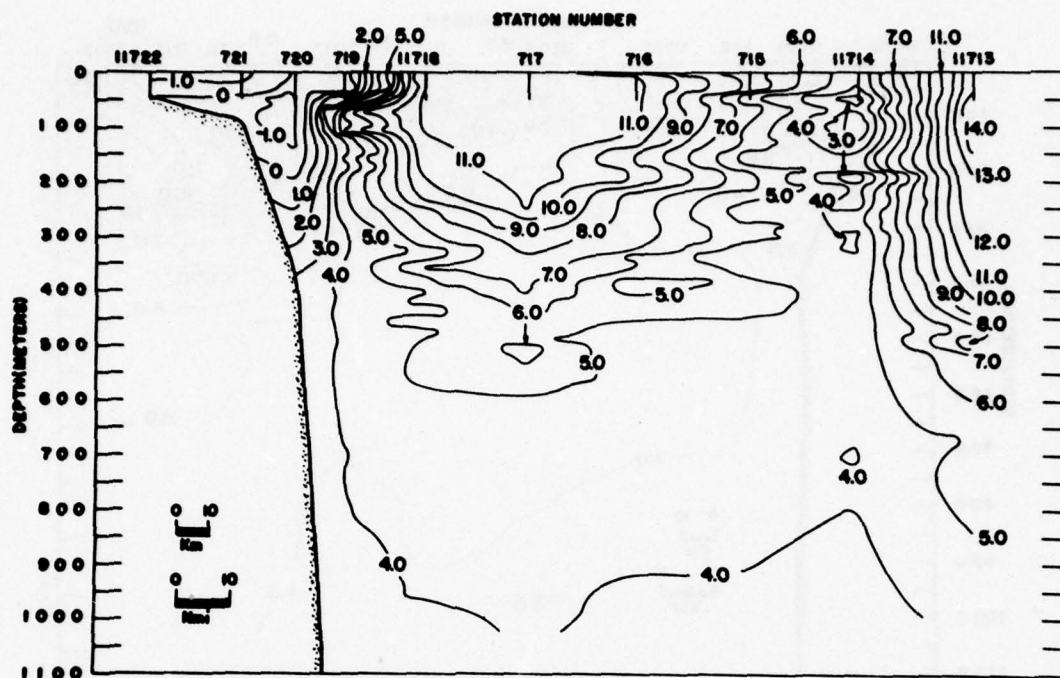


FIGURE 20a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3A from data obtained by CGC EVERGREEN, 10-12 April 1975.

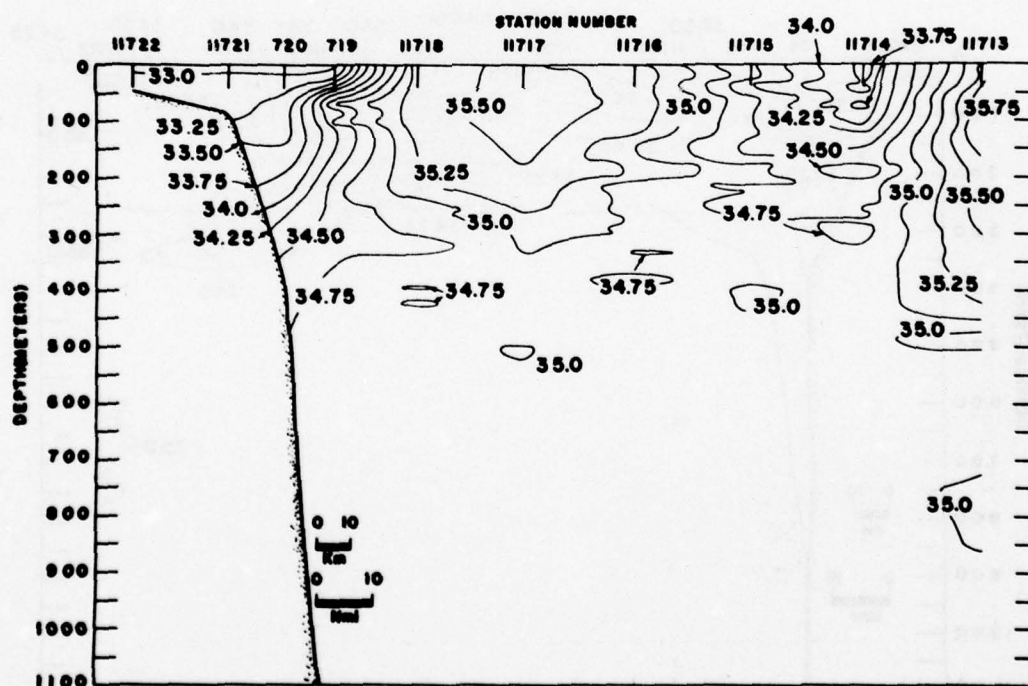


FIGURE 20b. Vertical salinity (‰) profile for section A3A from data obtained by CGC EVERGREEN, 10-12 April 1975.

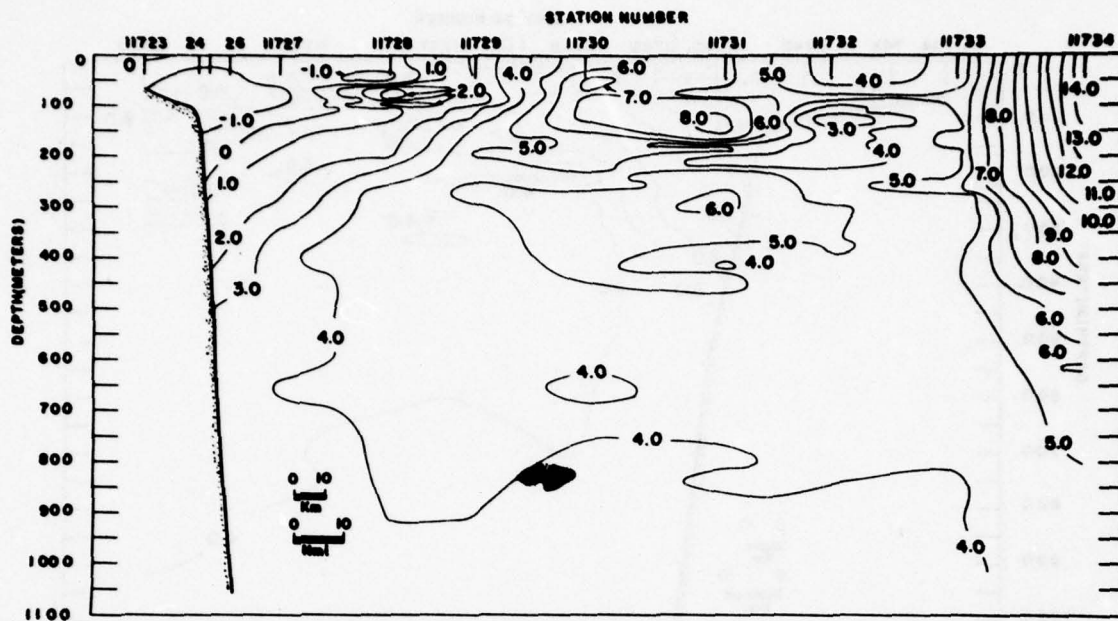


FIGURE 21a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC EVERGREEN, 12-14 April 1975.

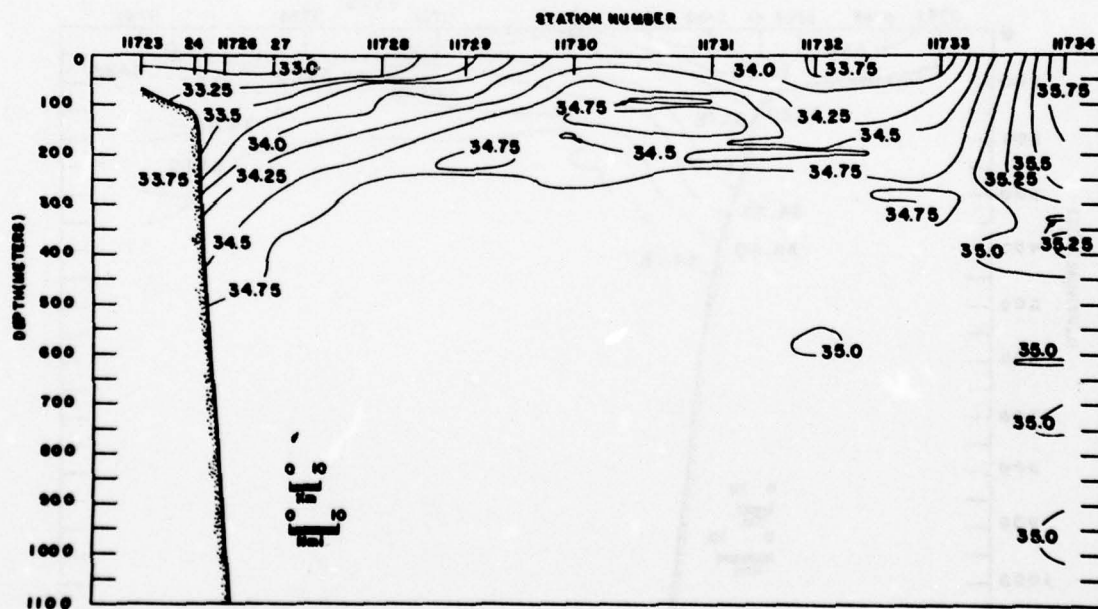


FIGURE 21b. Vertical salinity (‰) profile for section A3 from data obtained by CGC EVERGREEN, 12-14 April 1975.

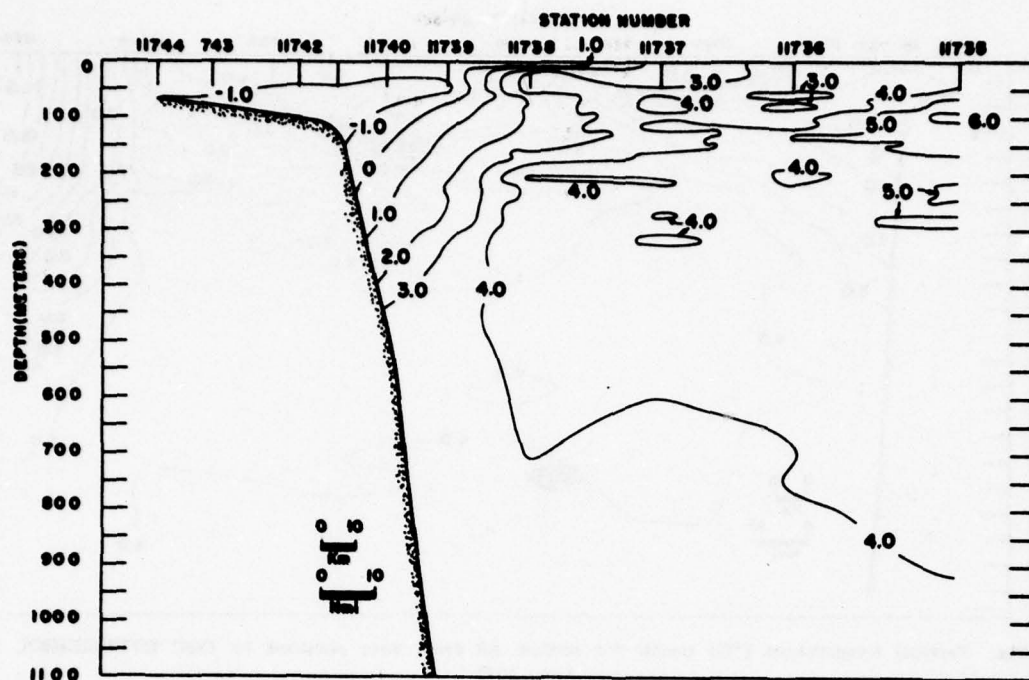


FIGURE 22a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2B from data obtained by CGC EVERGREEN, 14-15 April 1975.

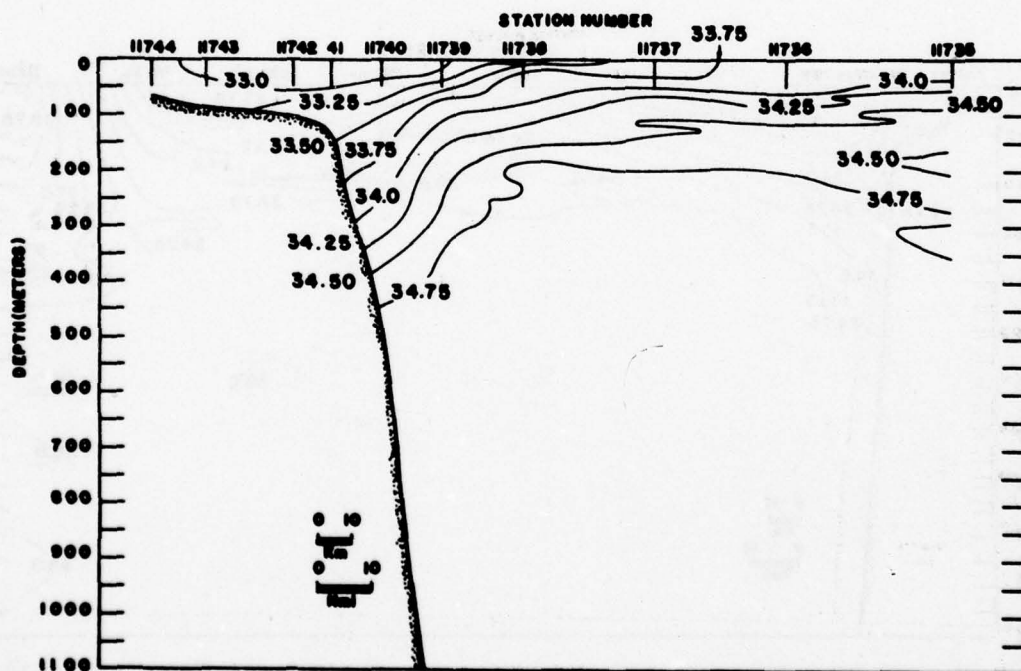


FIGURE 22b. Vertical salinity (‰) profile for section A2B from data obtained by CGC EVERGREEN, 14-15 April 1975.

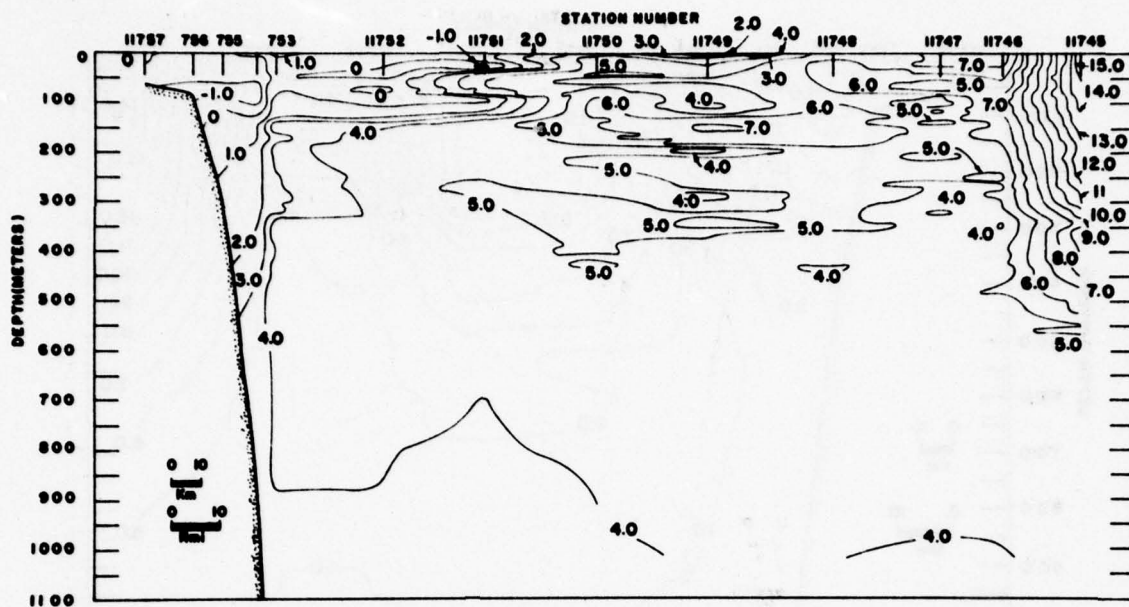


FIGURE 23a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC EVERGREEN, 21-23 April 1975.

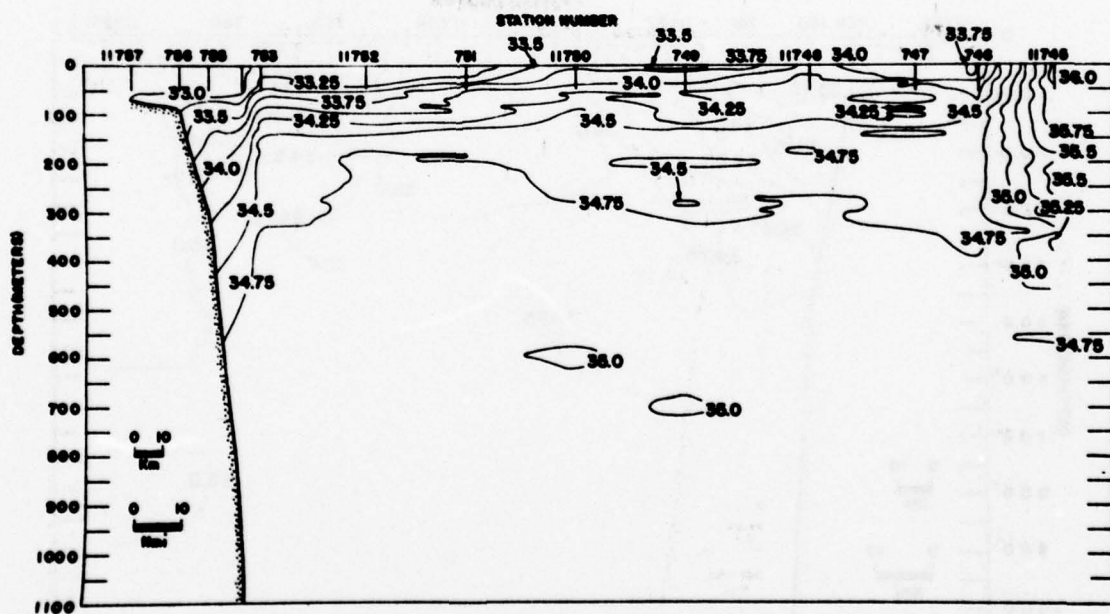


FIGURE 23b. Vertical salinity (‰) profile for section A3 from data obtained by CGC EVERGREEN, 21-23 April 1975.

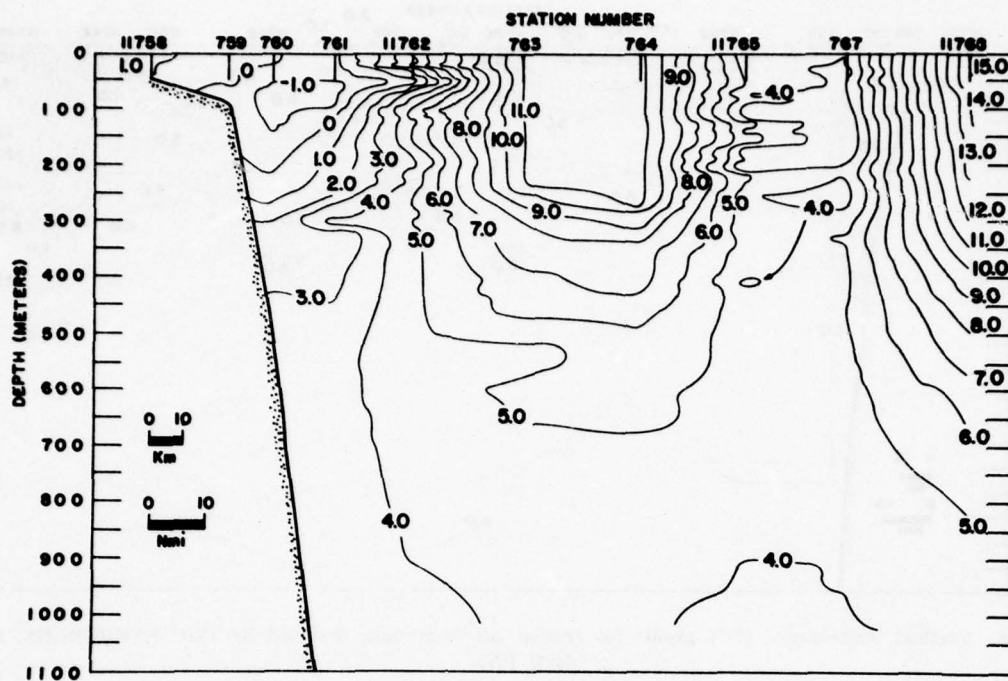


FIGURE 24a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3A from data obtained by CGC EVERGREEN, 23-24 April 1975.

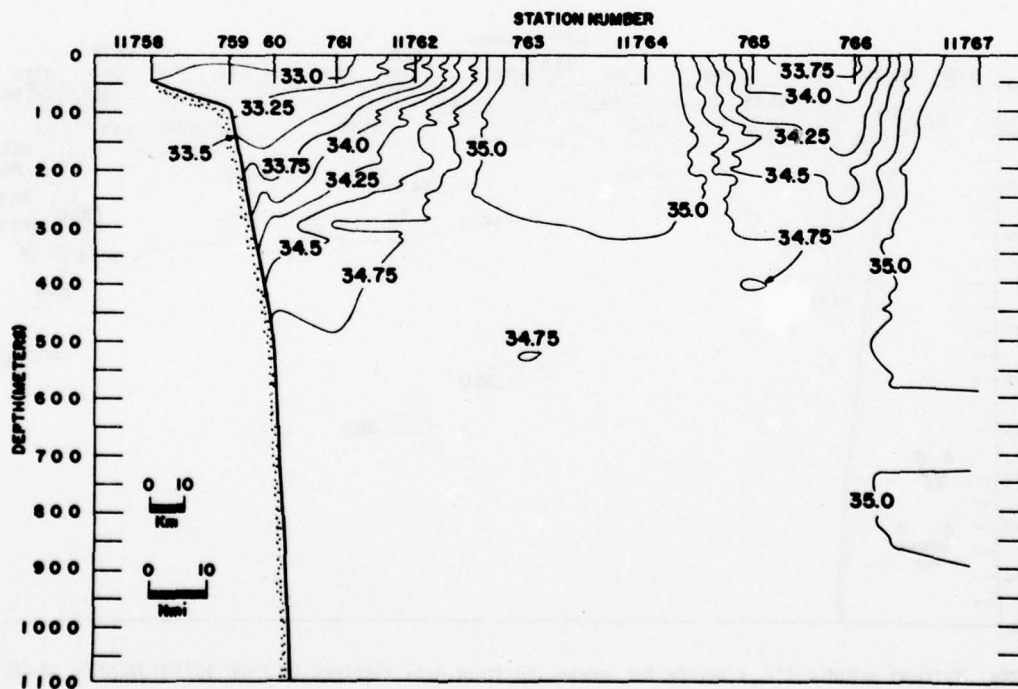


FIGURE 24b. Vertical salinity (‰) profile for section A3A from data obtained by CGC EVERGREEN, 23-24 April 1975.

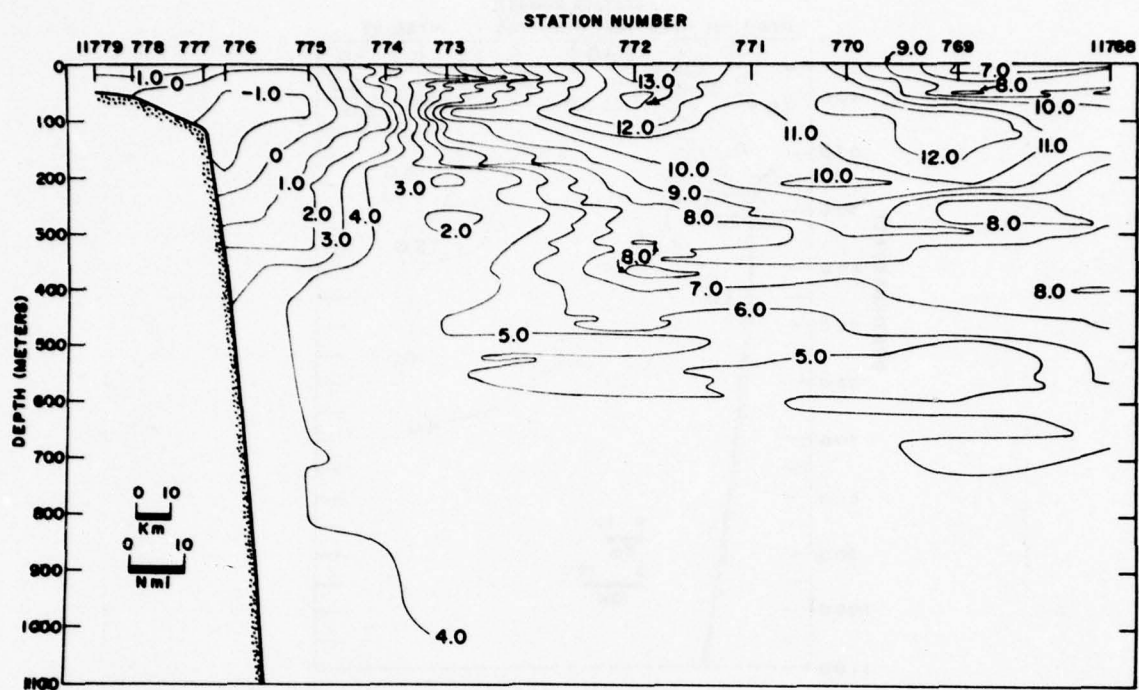


FIGURE 25a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3B from data obtained by CGC EVERGREEN, 24-25 1975.

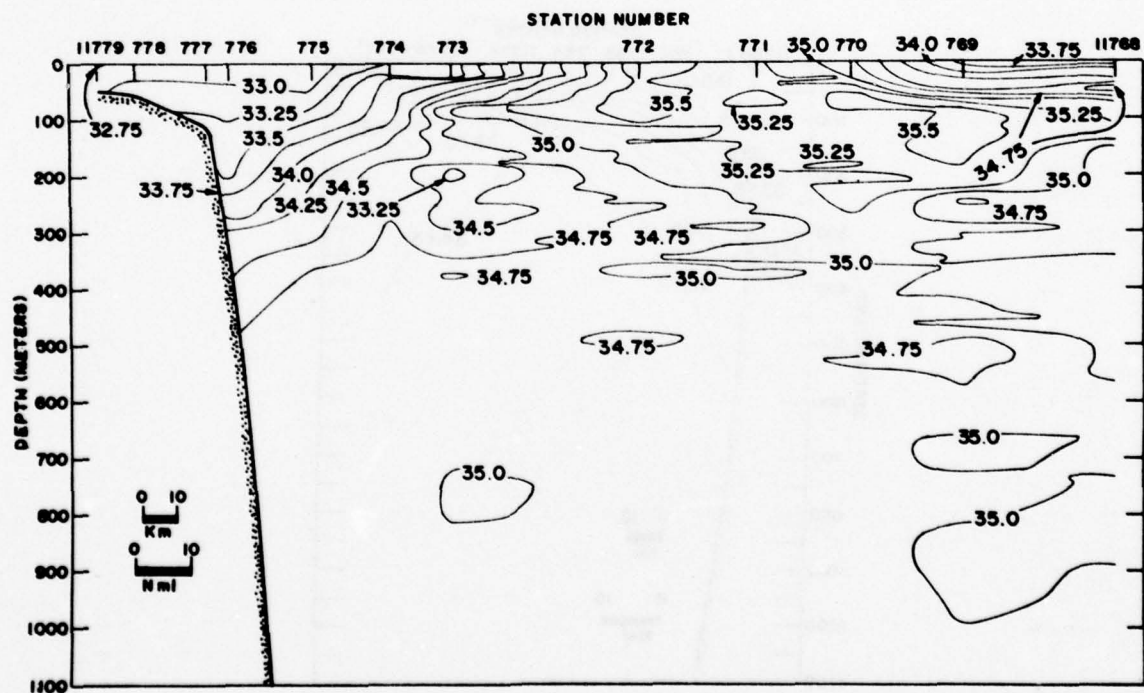


FIGURE 25b. Vertical salinity (‰) profile for section A3B from data obtained by CGC EVERGREEN, 24-25 April 1976.

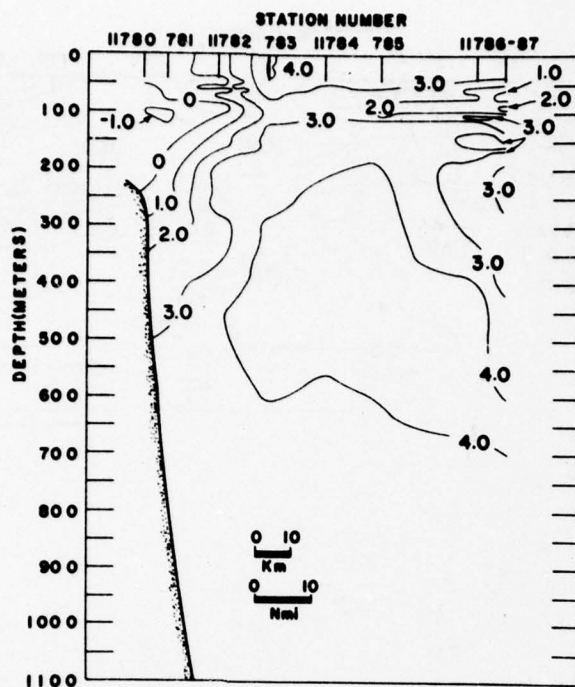


FIGURE 26a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-I-a from data obtained by CGC EVERGREEN, 26-28 May 1975.

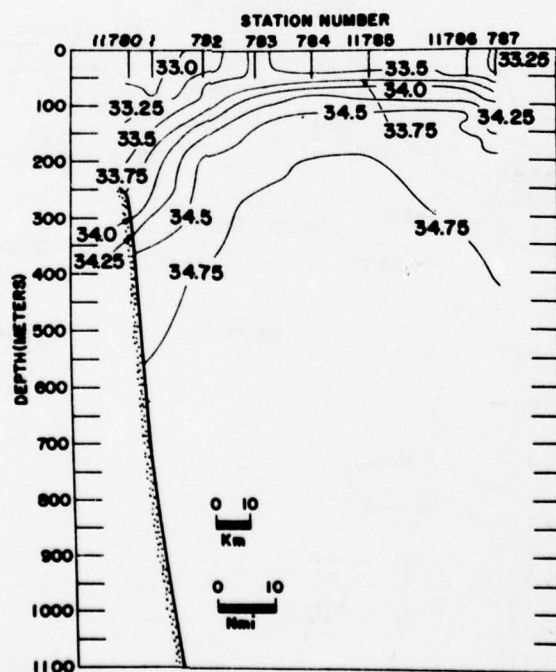


FIGURE 26b. Vertical salinity (‰) profile for Intensive Survey-I-a from data obtained by CGC EVERGREEN, 26-28 May 1975.

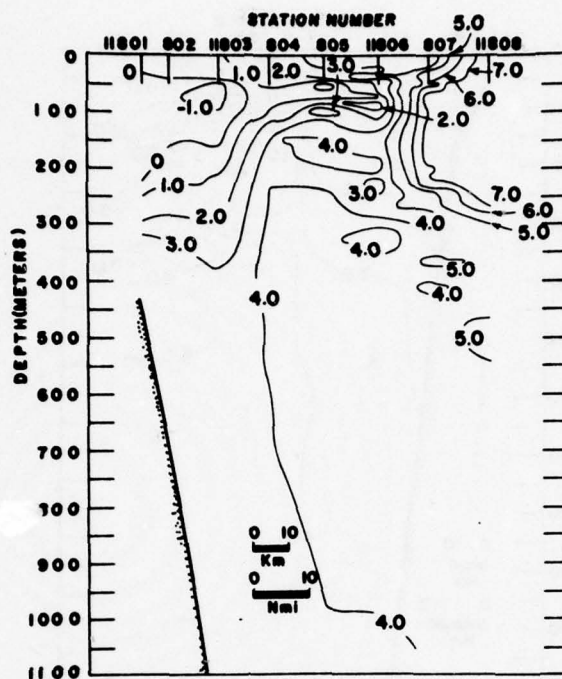


FIGURE 27a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-I-b from data obtained by CGC EVERGREEN, 26-28 May 1975.

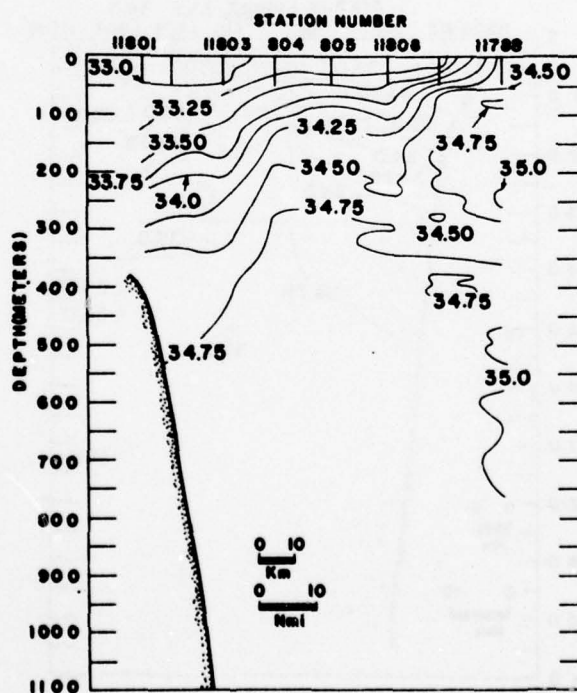


FIGURE 27b. Vertical salinity (‰) profile for Intensive Survey-I-b from data obtained by CGC EVERGREEN, 26-28 May 1975.

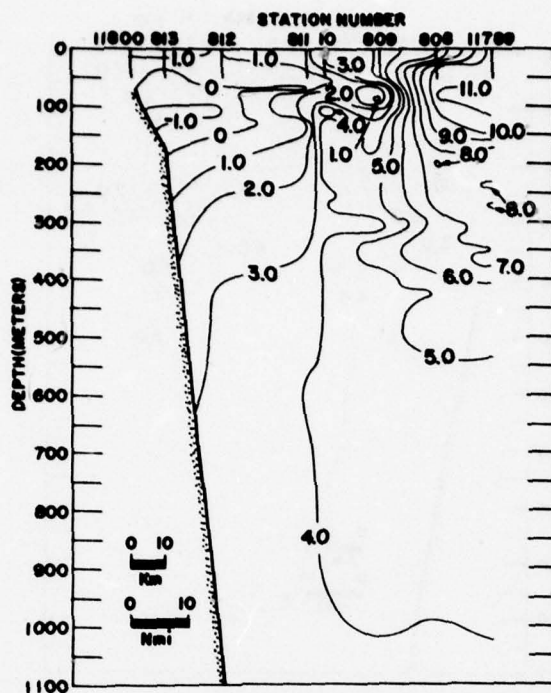


FIGURE 28a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-I-c from data obtained by CGC EVERGREEN, 26-28 May 1975.

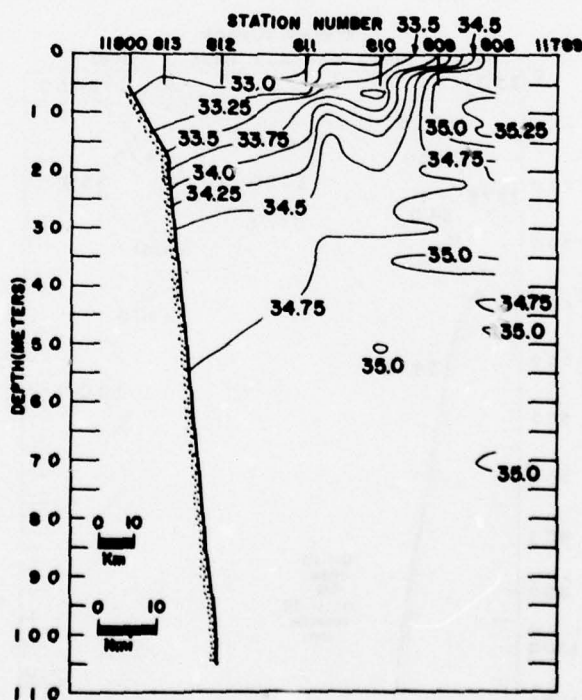


FIGURE 28b. Vertical salinity ($^{\circ}/_{\text{oo}}$) profile for Intensive Survey-I-c from data obtained by CGC EVERGREEN, 26-28 May 1975.

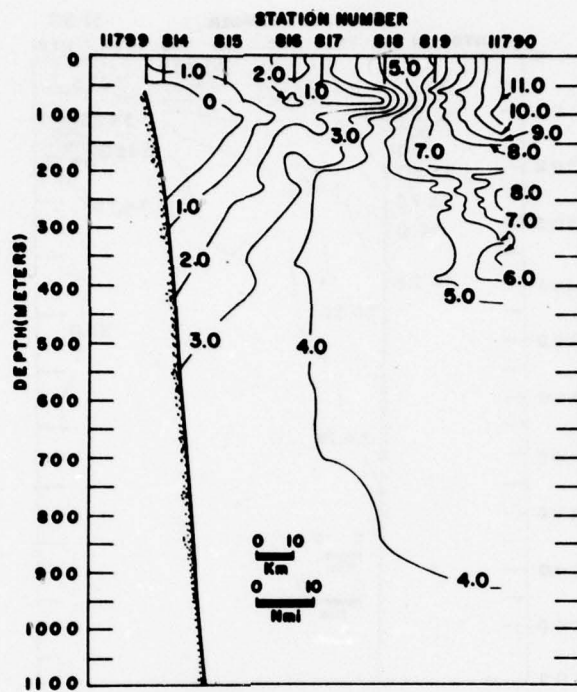


FIGURE 29a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-I-d from data obtained by CGC EVERGREEN, 26-28 May 1975.

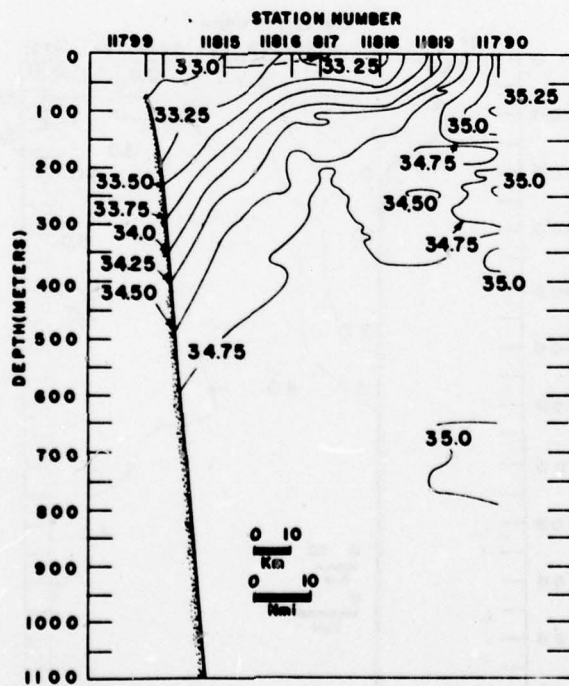


FIGURE 29b. Vertical salinity (‰) profile for Intensive Survey-I-d from data obtained by CGC EVERGREEN, 26-28 May 1975.

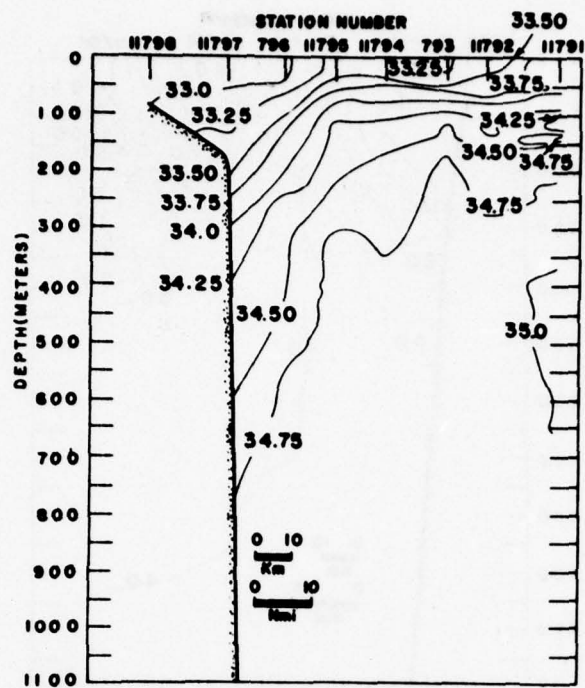


FIGURE 30a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-I-e from data obtained by CGC EVERGREEN, 26-28 May 1975.

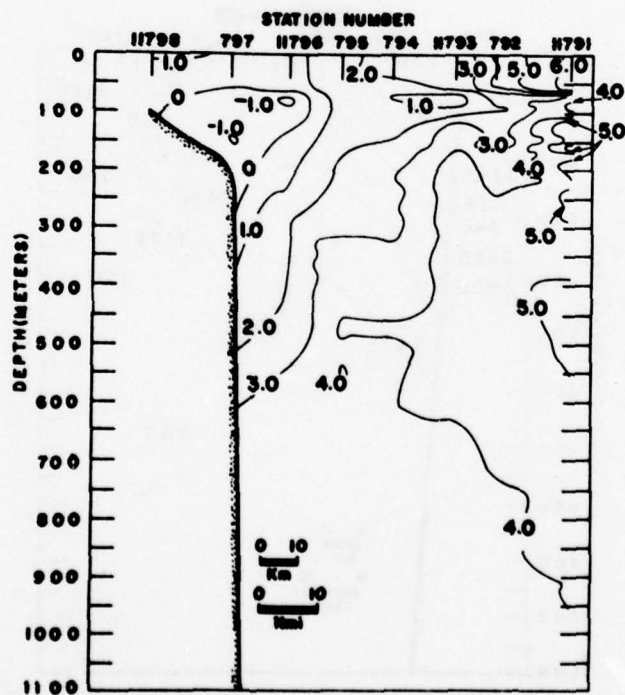


FIGURE 30b. Vertical salinity (‰) profile for Intensive Survey-I-e from data obtained by CGC EVERGREEN, 26-28 May 1975.

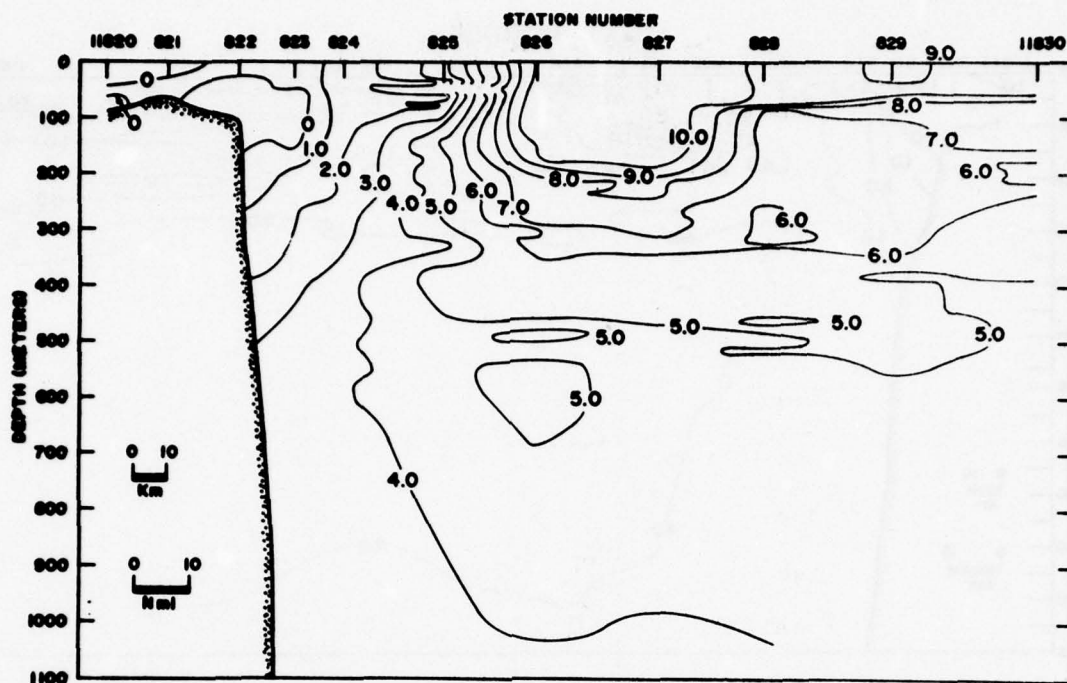


FIGURE 31a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC EVERGREEN, 30-31 May 1975.

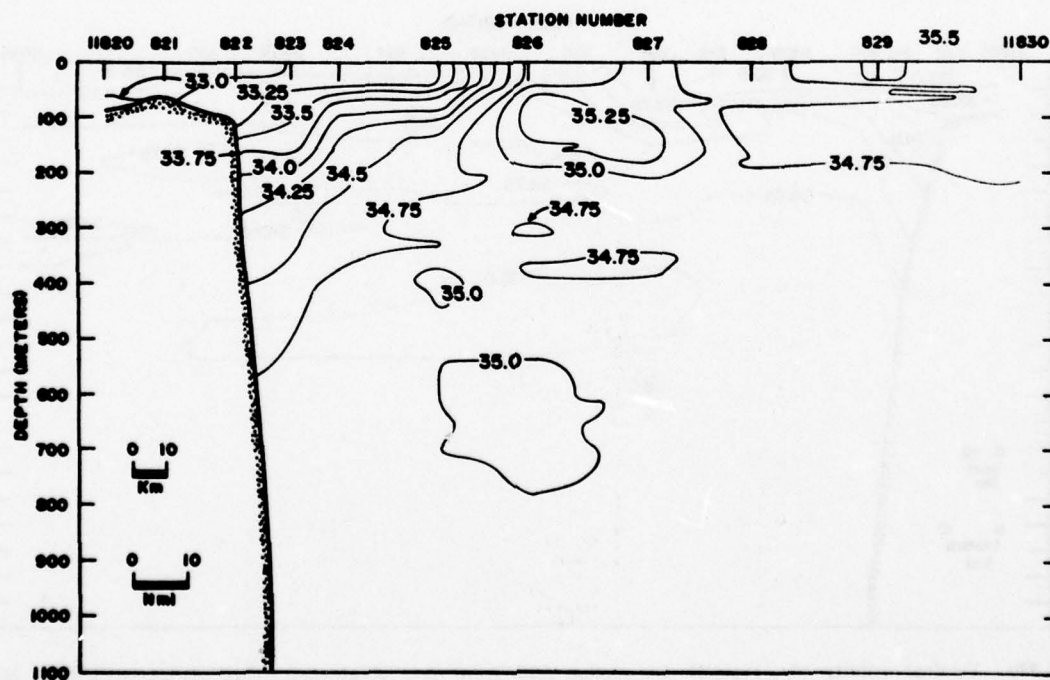


FIGURE 31b. Vertical salinity (‰) profile for section A3 from data obtained by CGC EVERGREEN, 30-31 May 1975.

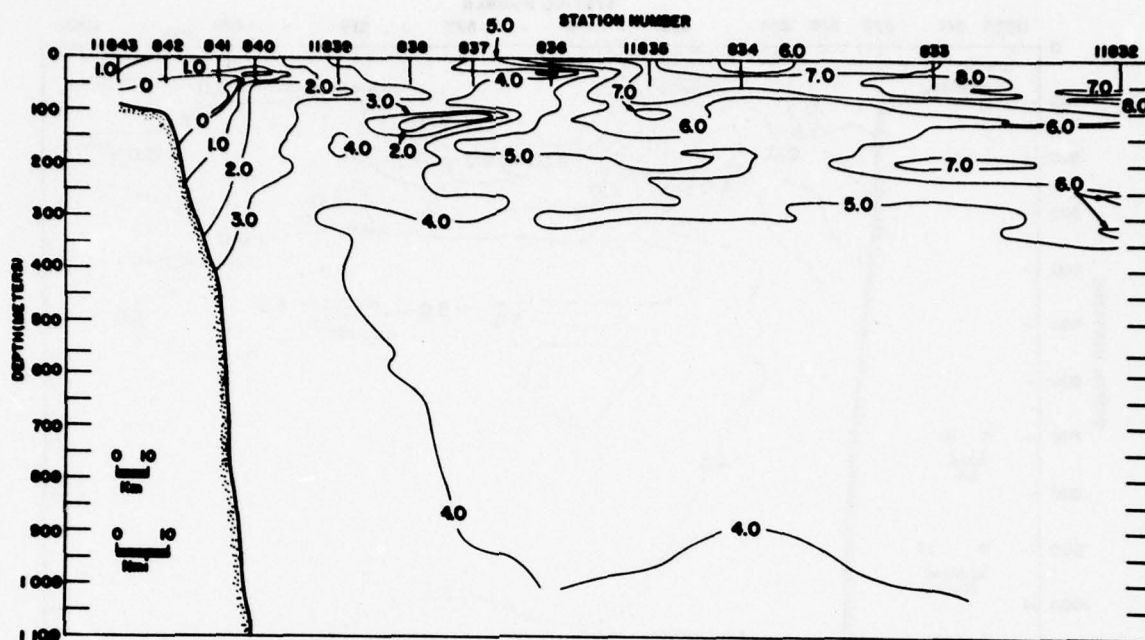


FIGURE 32a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2B from data obtained by CGC EVERGREEN, 31 May-1 June 1975.

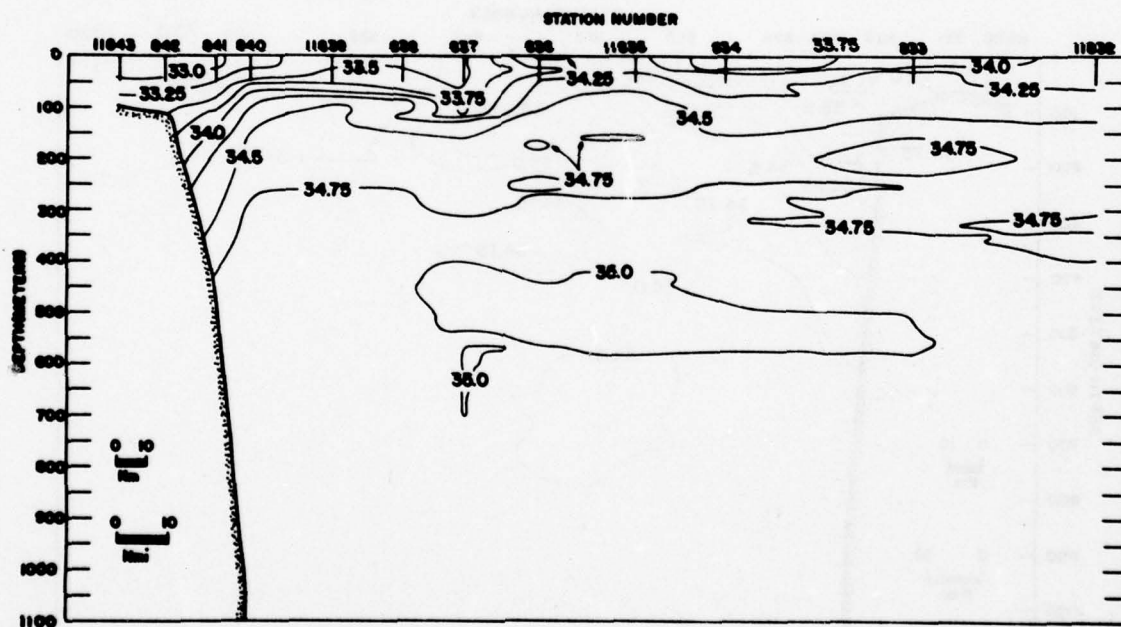


FIGURE 32b. Vertical salinity (‰) profile for section A2B from data obtained by CGC EVERGREEN, 31 May-1 June 1975.

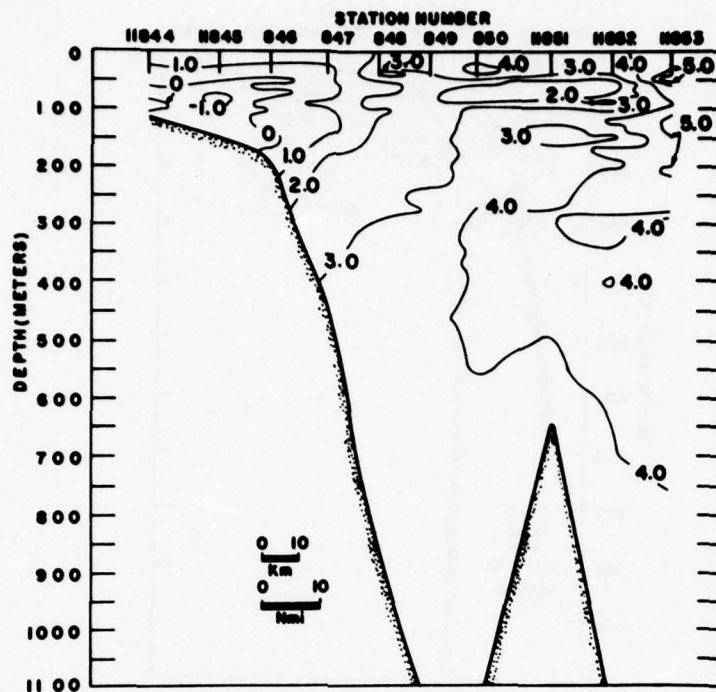


FIGURE 33a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2A from data obtained by CGC EVERGREEN, 2 June 1975.

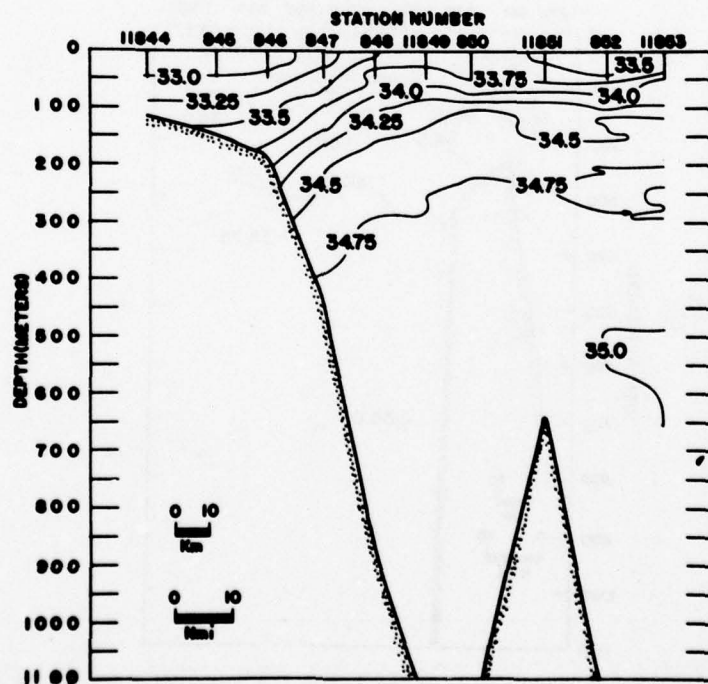


FIGURE 33b. Vertical salinity (‰) profile for section A2A from data obtained by CGC EVERGREEN, 2 June 1975.

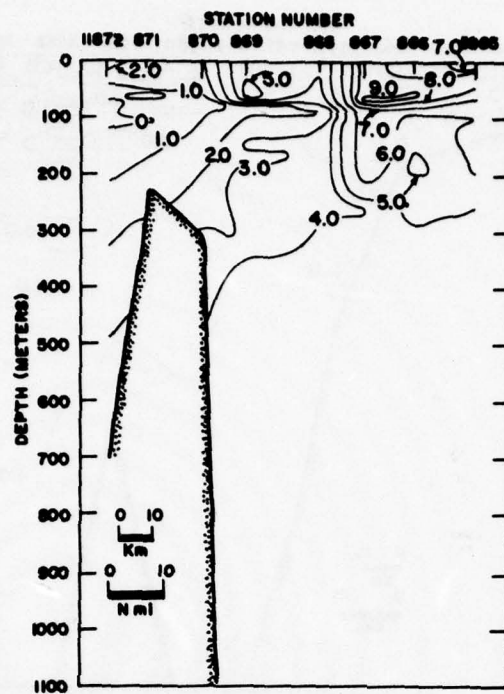


FIGURE 34a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3-6 June 1975.

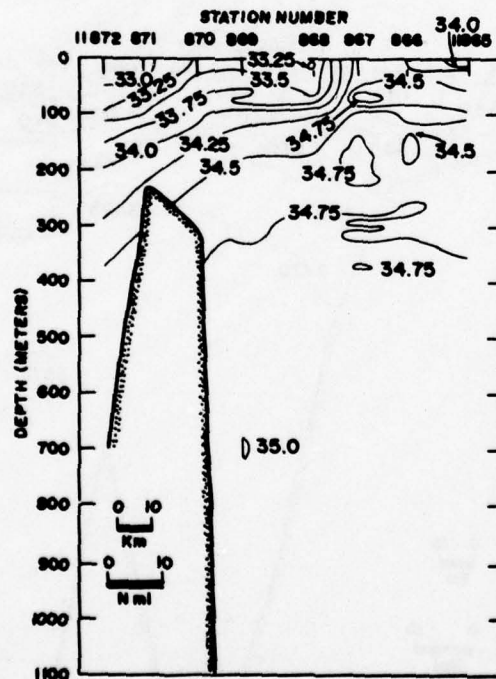


FIGURE 34b. Vertical salinity (‰) profile for Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3-6 June 1975.

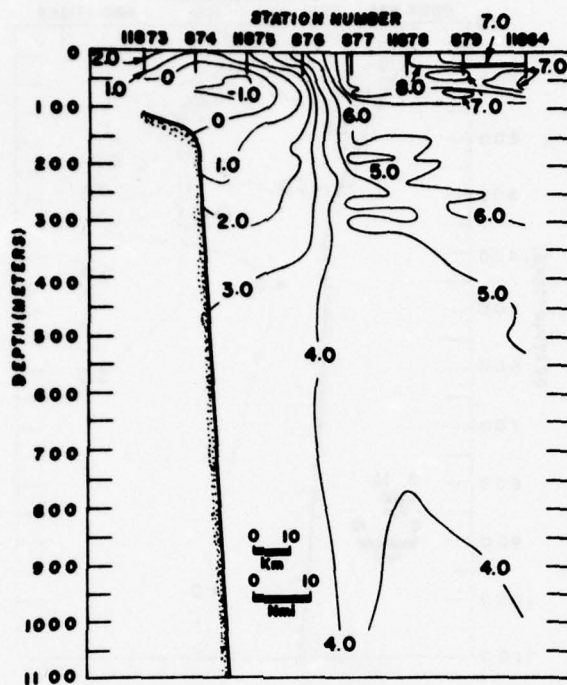


FIGURE 35a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3-6 June 1975.

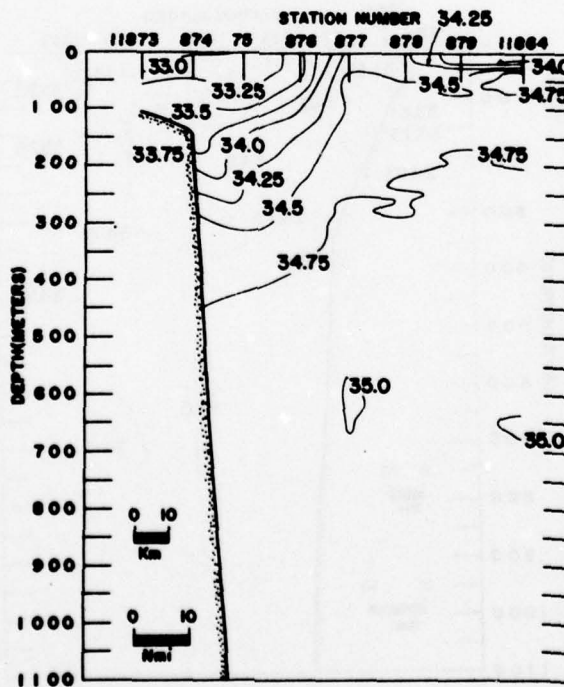


FIGURE 35b. Vertical salinity (‰) profile for Intensive Survey-II-b from data obtained by CGC EVERGREEN, 3-6 June 1975.

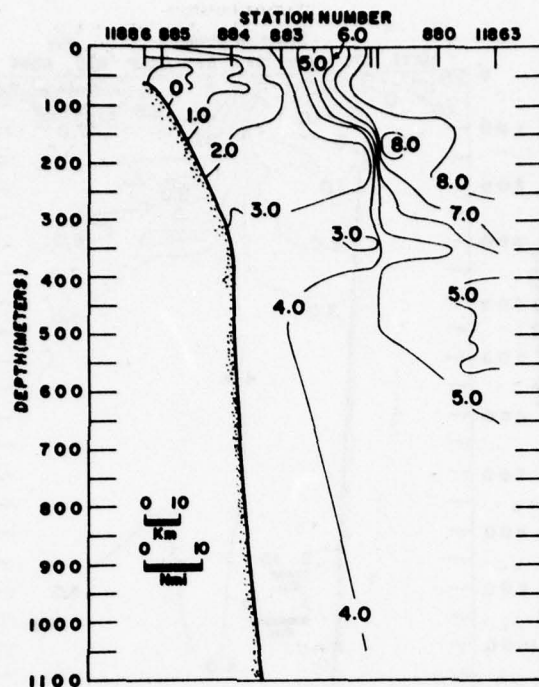


FIGURE 30a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-II-c from data obtained by CGC EVERGREEN, 3-6 June 1975.

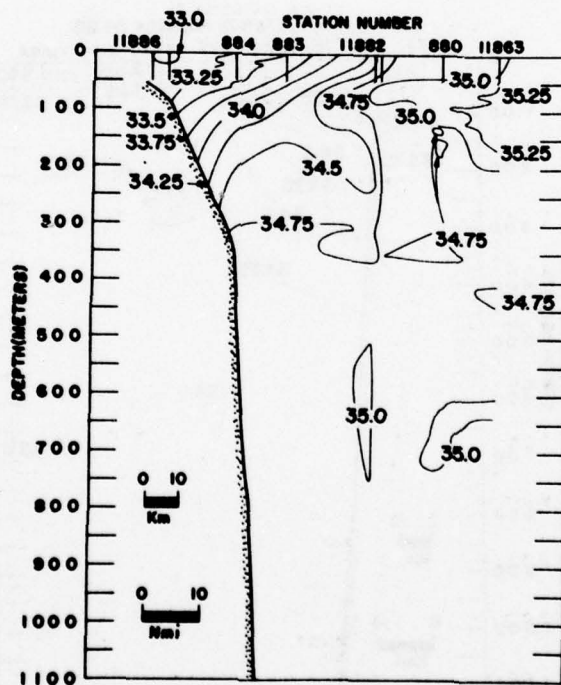


FIGURE 30b. Vertical salinity (‰) profile for Intensive Survey-II-c from data obtained by CGC EVERGREEN, 3-6 June 1975.

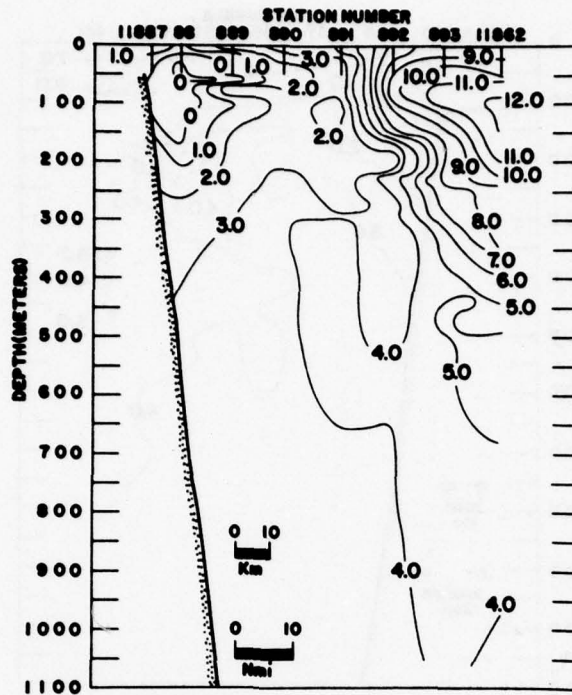


FIGURE 37a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-II-d from data obtained by CGC EVERGREEN, 3-6 June 1975.

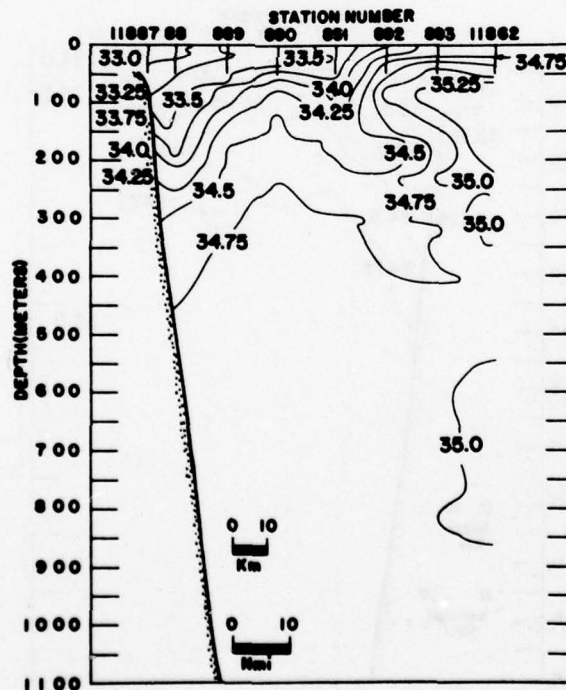


FIGURE 37b. Vertical salinity (‰) profile for Intensive Survey-II-d from data obtained by CGC EVERGREEN, 3-6 June 1975.

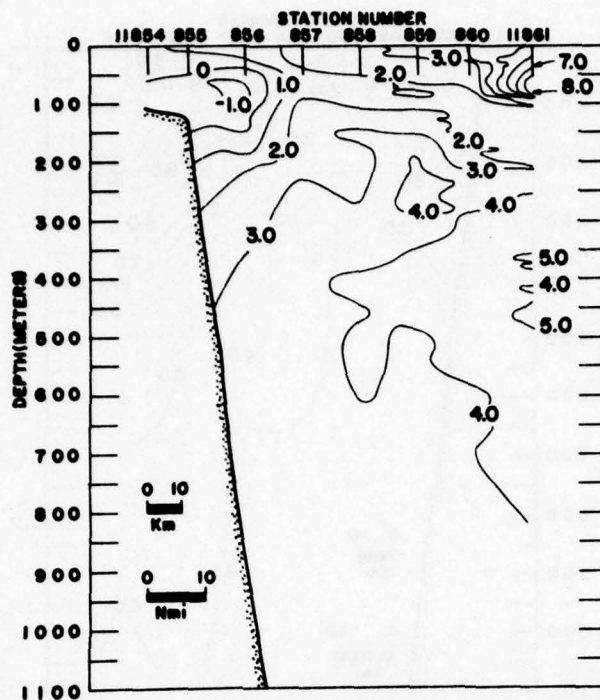


FIGURE 38a. Vertical temperature ($^{\circ}\text{C}$) profile for Intensive Survey-II-e from data obtained by CGC EVERGREEN, 3-6 June 1975.

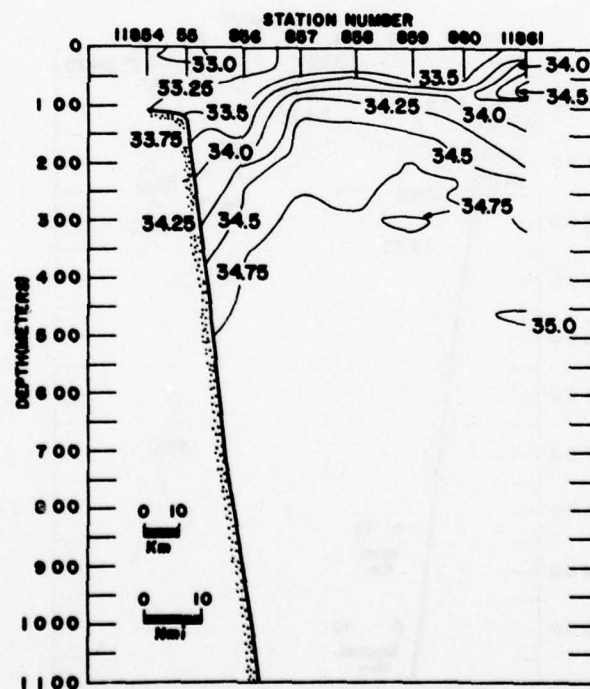


FIGURE 38b. Vertical salinity (‰) profile for Intensive Survey-II-e from data obtained by CGC EVERGREEN, 3-6 June 1975.

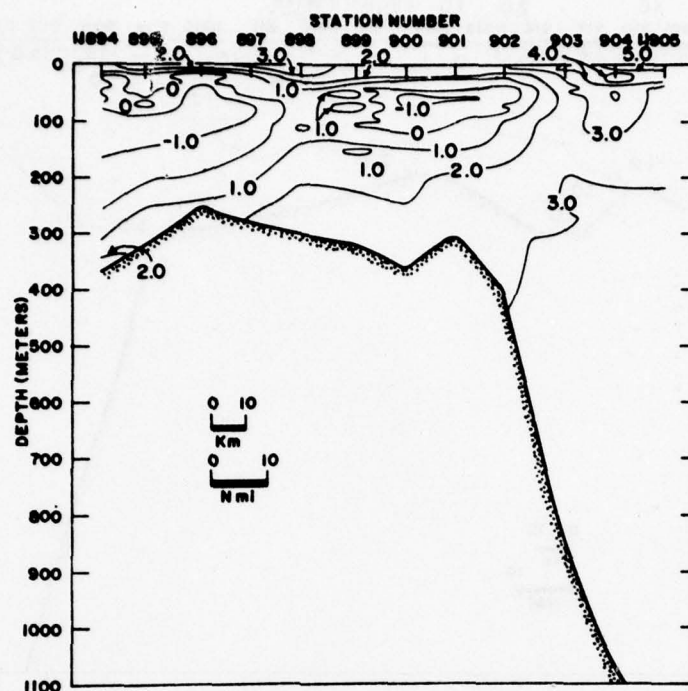


FIGURE 30a. Vertical temperature profile for Drift Study section 1 from data obtained by CGC EVERGREEN, 15-16 June 1975.

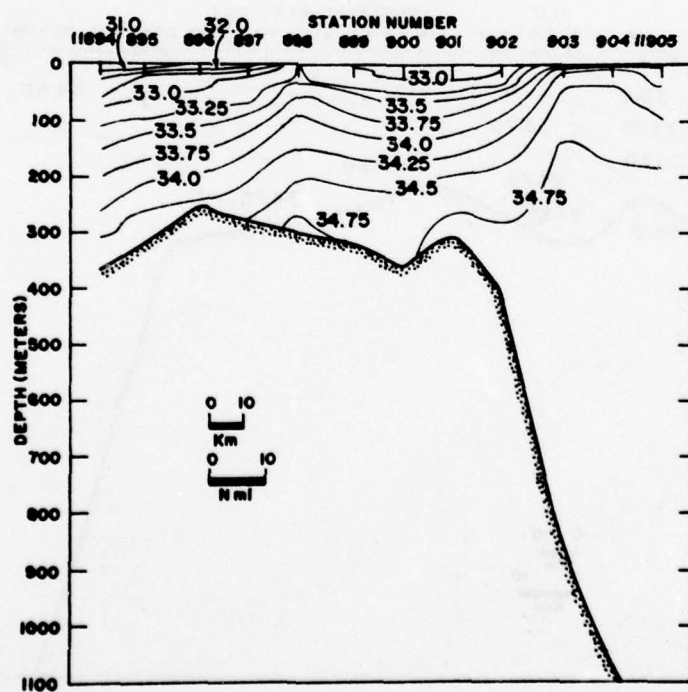


FIGURE 30b. Vertical salinity profile for Drift Study section 1 from data obtained by CGC EVERGREEN, 15-16 June 1975.

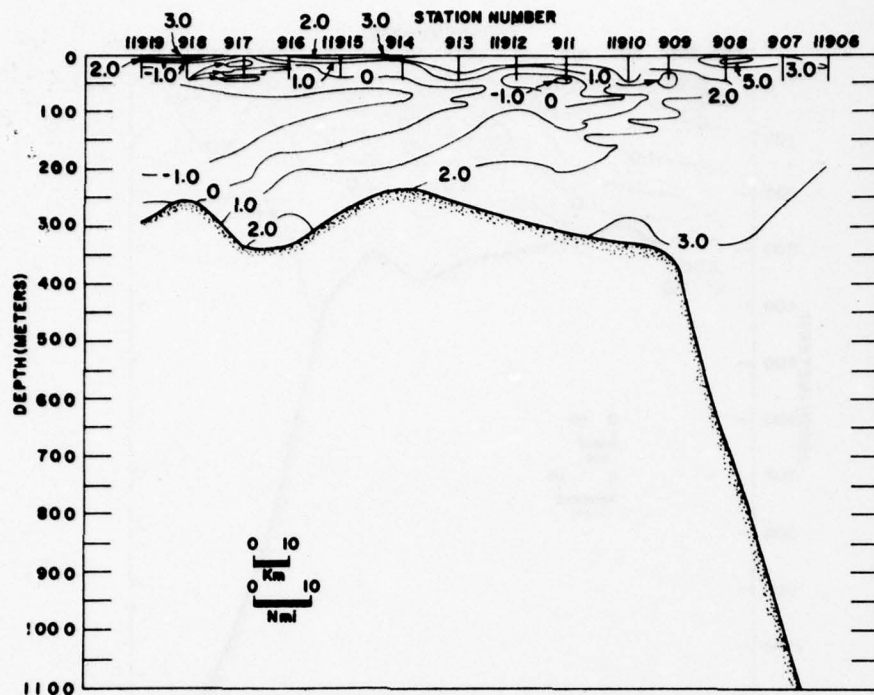


FIGURE 40a. Vertical temperature profile for Drift Study section 2 from data obtained by CGC EVERGREEN, 16-17 June 1975.

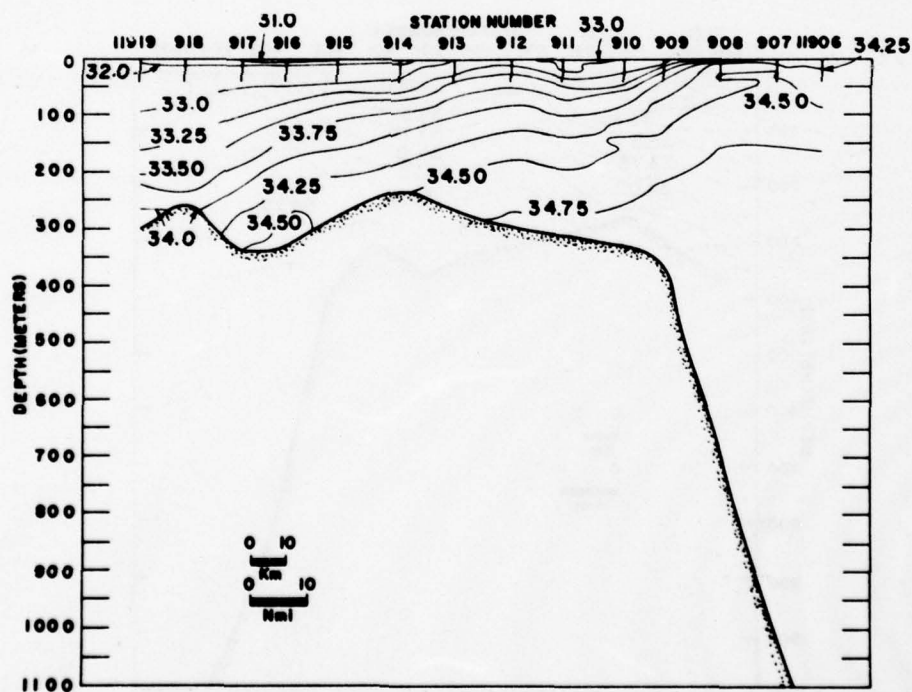


FIGURE 40b. Vertical salinity profile for Drift Study section 2 from data obtained by CGC EVERGREEN, 16-17 June 1975.

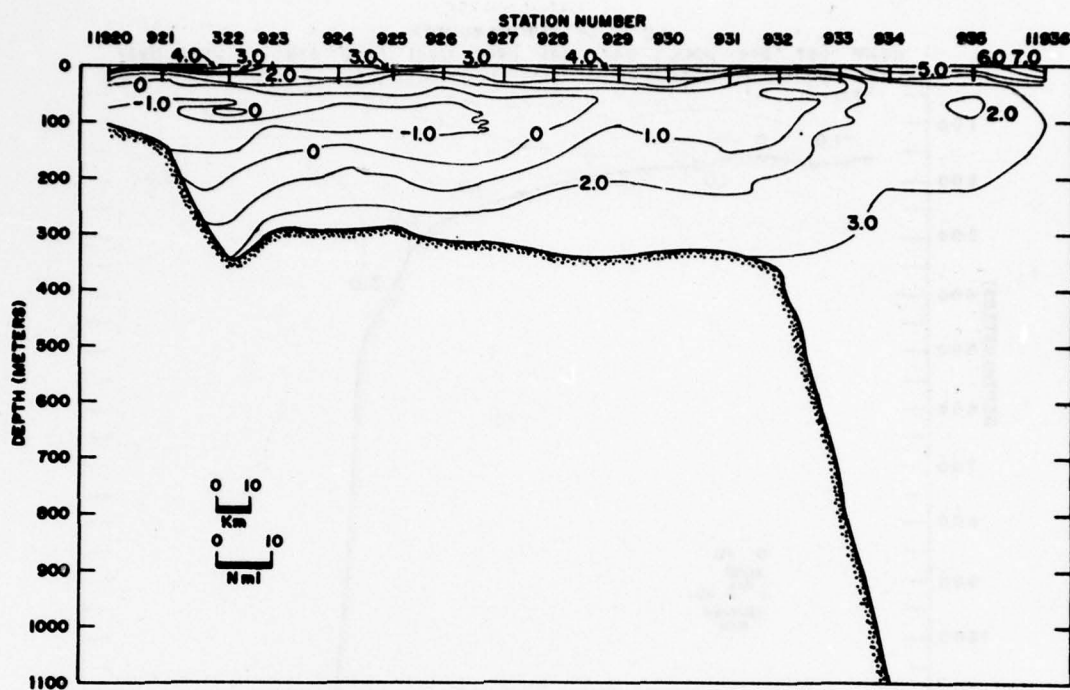


FIGURE 41a. Vertical temperature profile for section A1A from data obtained by CGC EVERGREEN, 18-19 June 1975.

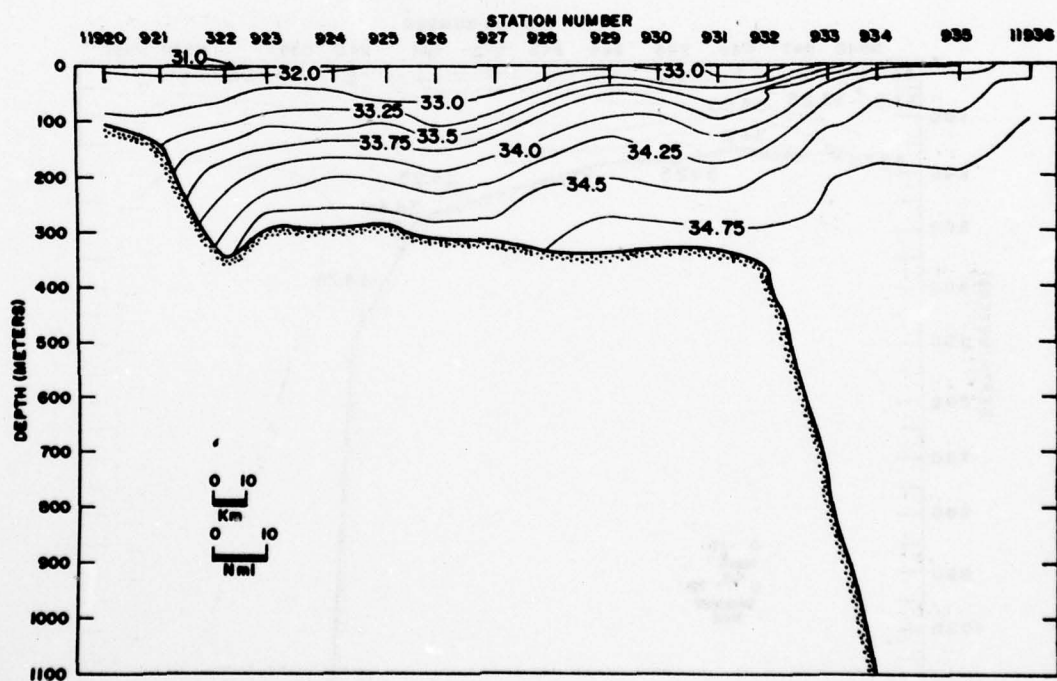


FIGURE 41b. Vertical salinity profile for section A1A from data obtained by CGC EVERGREEN, 18-19 June 1975.

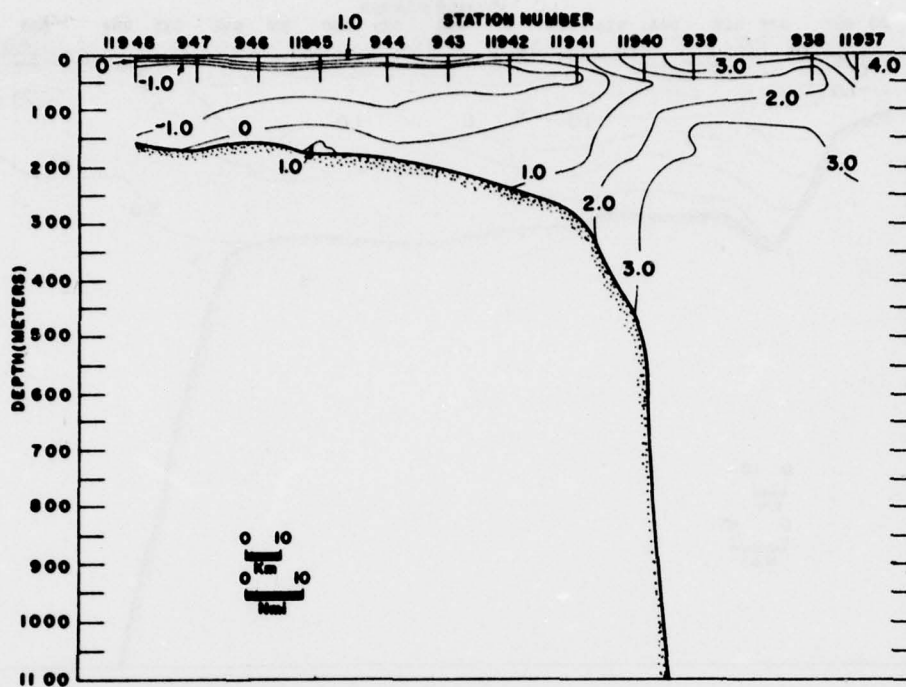


FIGURE 42a. Vertical temperature ($^{\circ}\text{C}$) profile for section A1 from data obtained by CGC EVERGREEN, 29 June 1975.

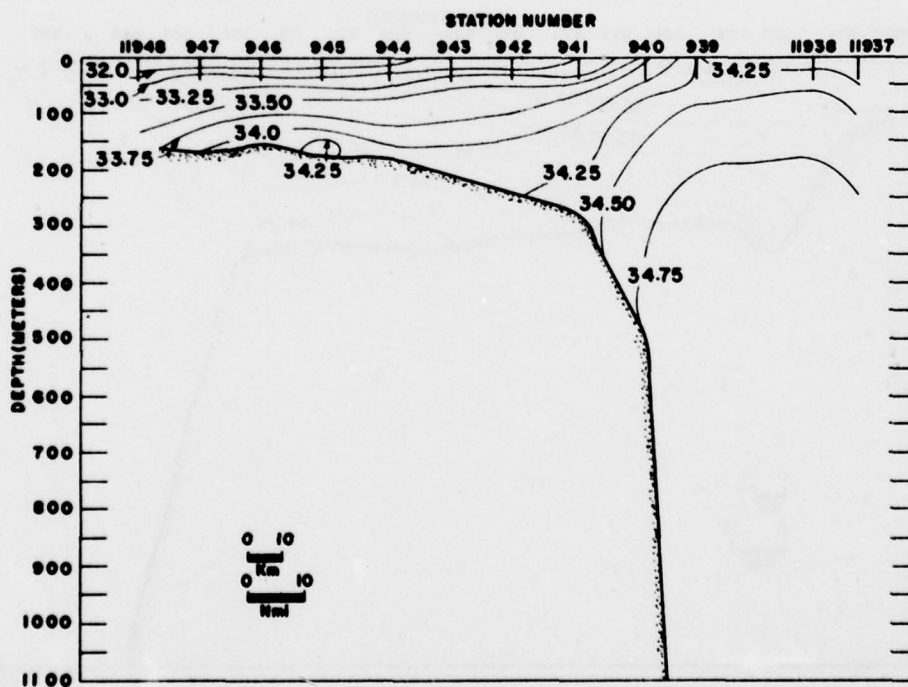


FIGURE 42b. Vertical salinity (‰) profile for section A1 from data obtained by CGC EVERGREEN, 29 June 1975.

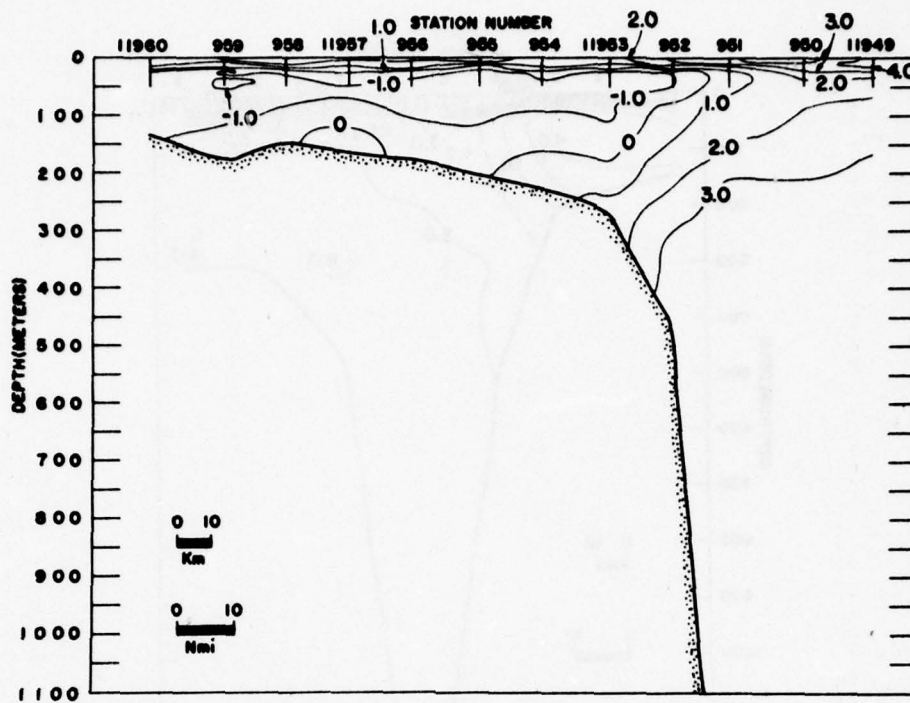


FIGURE 43a. Vertical temperature ($^{\circ}\text{C}$) profile for section A1 from data obtained by CGC EVERGREEN, 30 June-1 July 1975.

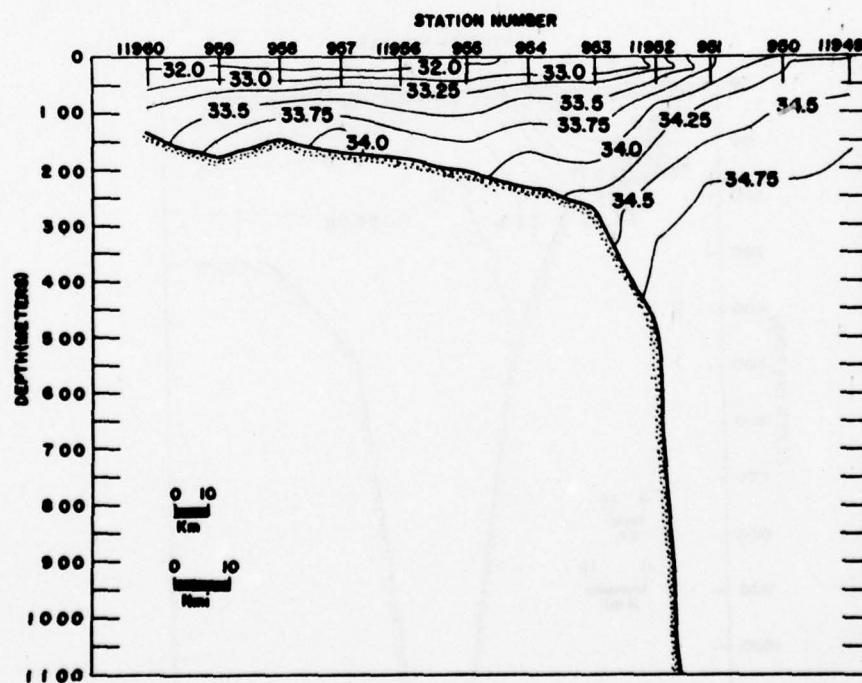


FIGURE 43b. Vertical salinity (‰) profile for section A1 from data obtained by CGC EVERGREEN, 30 June-1 July 1975.

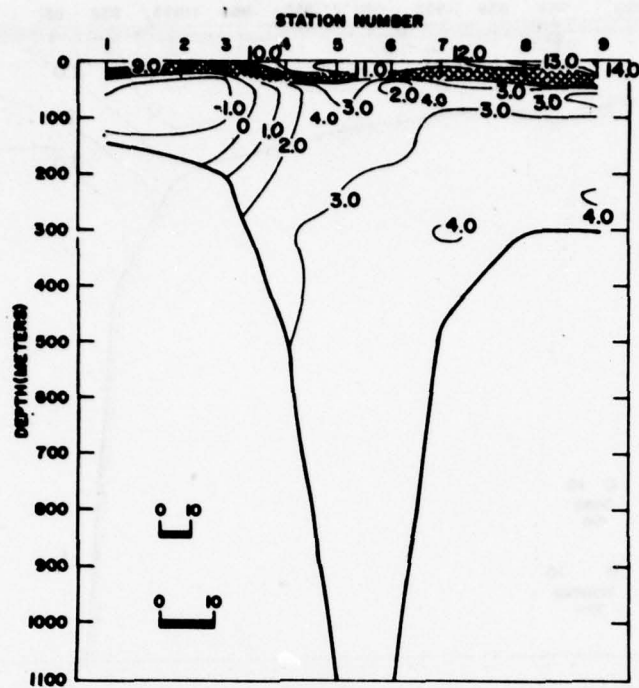


FIGURE 44a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2 from data obtained by CGC CHASE, 30 August 1975. The crosshatching indicates a high thermal gradient.

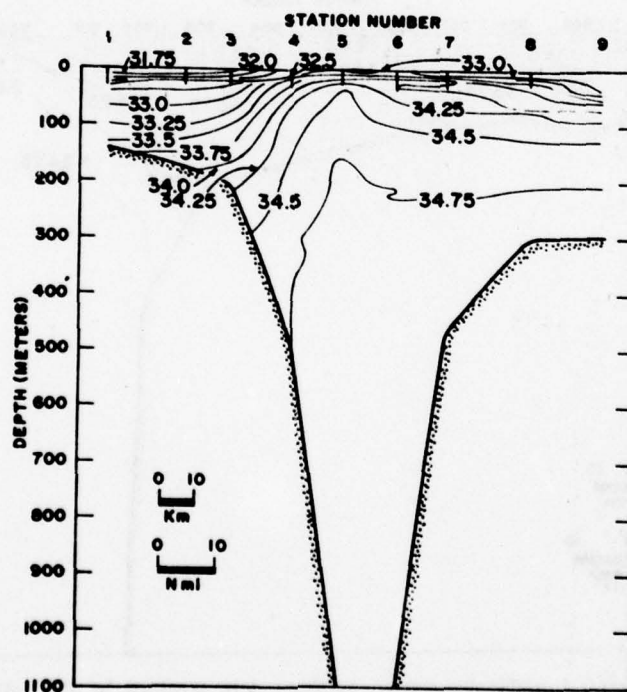


FIGURE 44b. Vertical salinity (‰) profile for section A2 from data obtained by CGC CHASE, 30 August 1975.

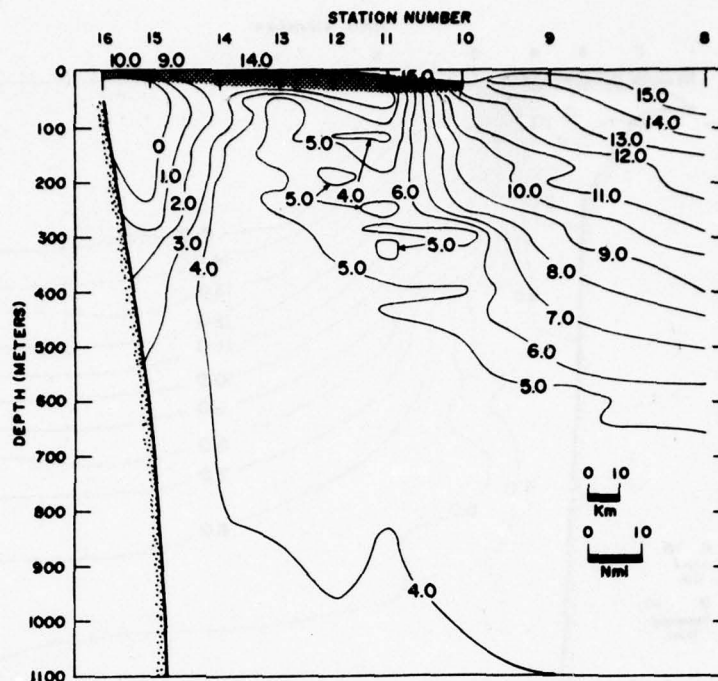


FIGURE 45a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC CHASE, 1 September 1975. The crosshatching indicates a high thermal gradient.

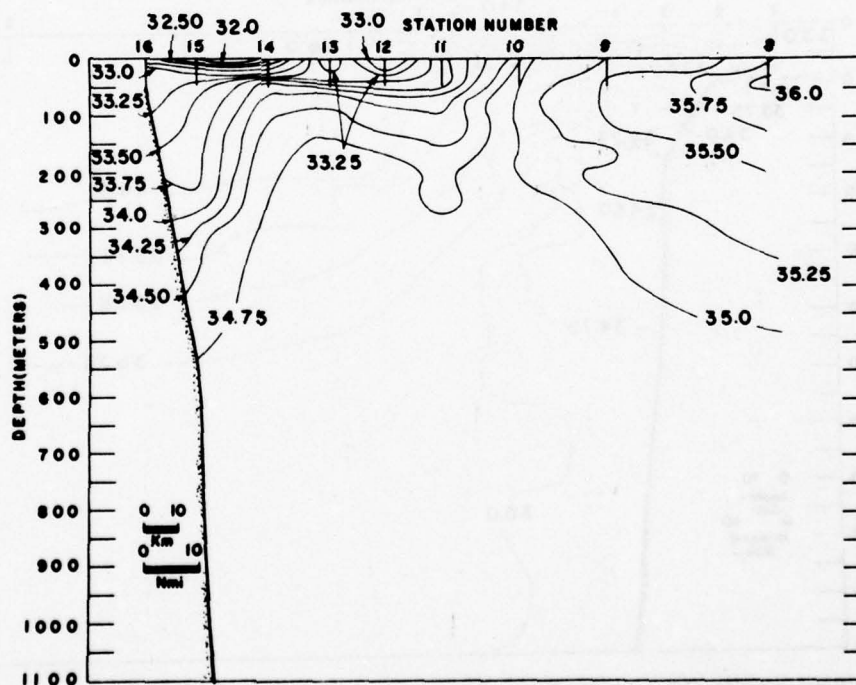


FIGURE 45b. Vertical salinity (‰) profile for section A3 from data obtained by CGC CHASE, 2 September 1975.

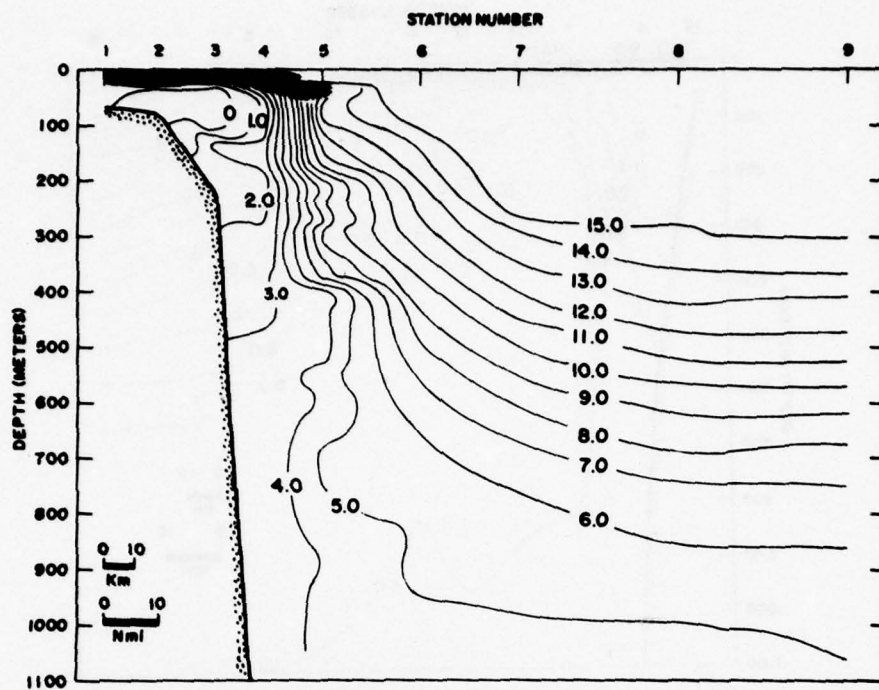


FIGURE 46a. Vertical temperature ($^{\circ}\text{C}$) profile for section A4 from data obtained by CGC CHASE, 30 September 1975. The crosshatching indicates a high thermal gradient.

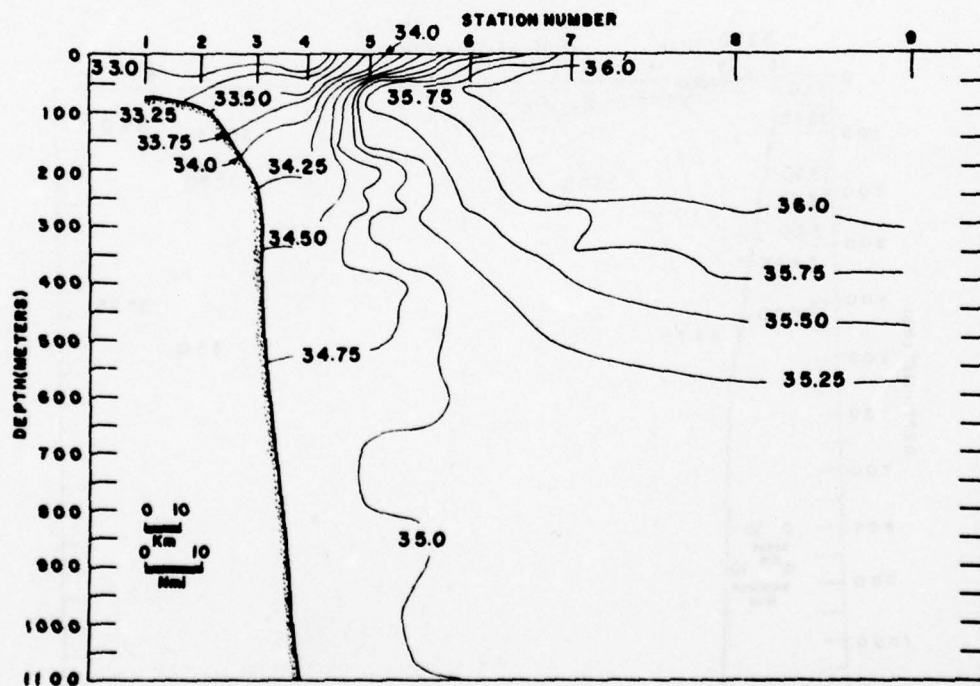


FIGURE 46b. Vertical salinity (‰) profile for section A4 from data obtained by CGC CHASE, 2 September 1975.

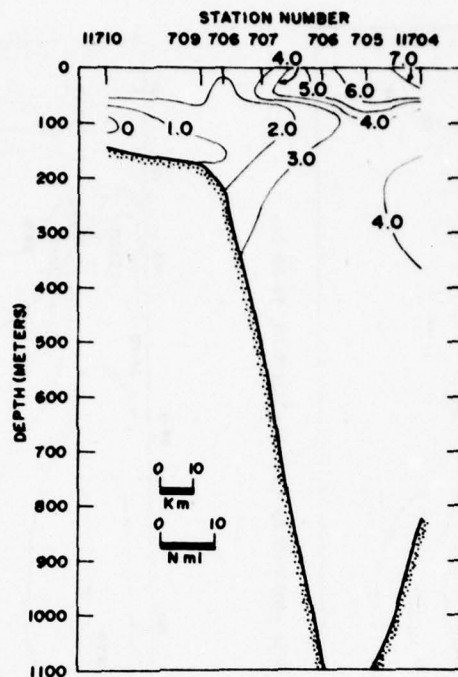


FIGURE 47a. Vertical temperature ($^{\circ}\text{C}$) profile for section A2 from data obtained by CGC HAMILTON, 15-16 November 1975.

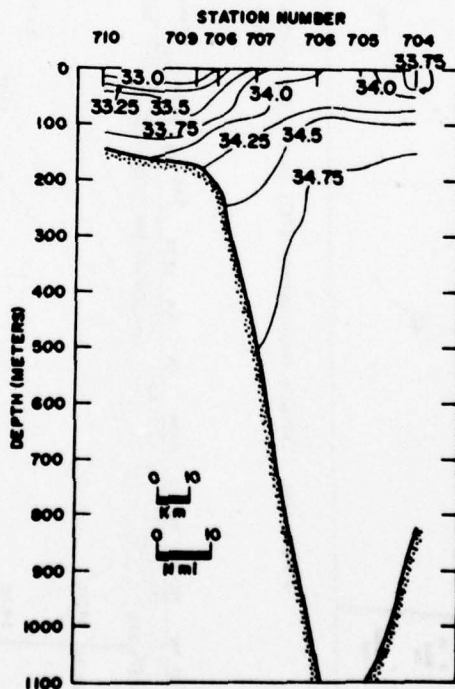


FIGURE 47b. Vertical salinity (‰) profile for section A2 from data obtained by CGC HAMILTON, 15-16 November 1975.

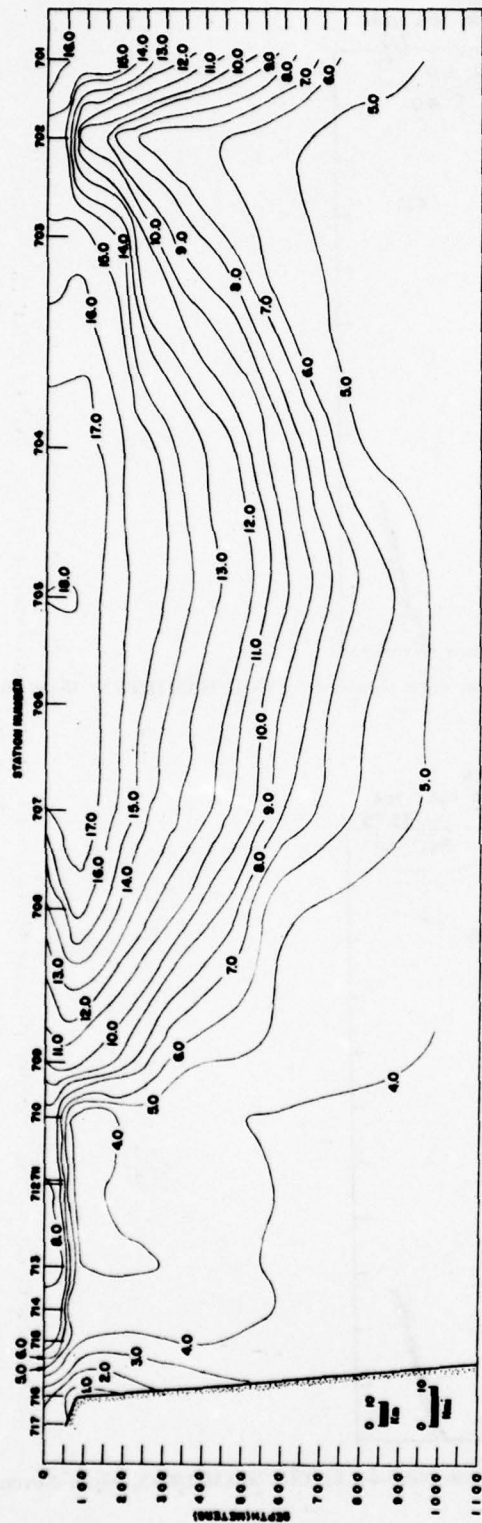


FIGURE 48a. Vertical temperature ($^{\circ}\text{C}$) profile for section A3 from data obtained by CGC HAMILTON, 17-20 November 1975.

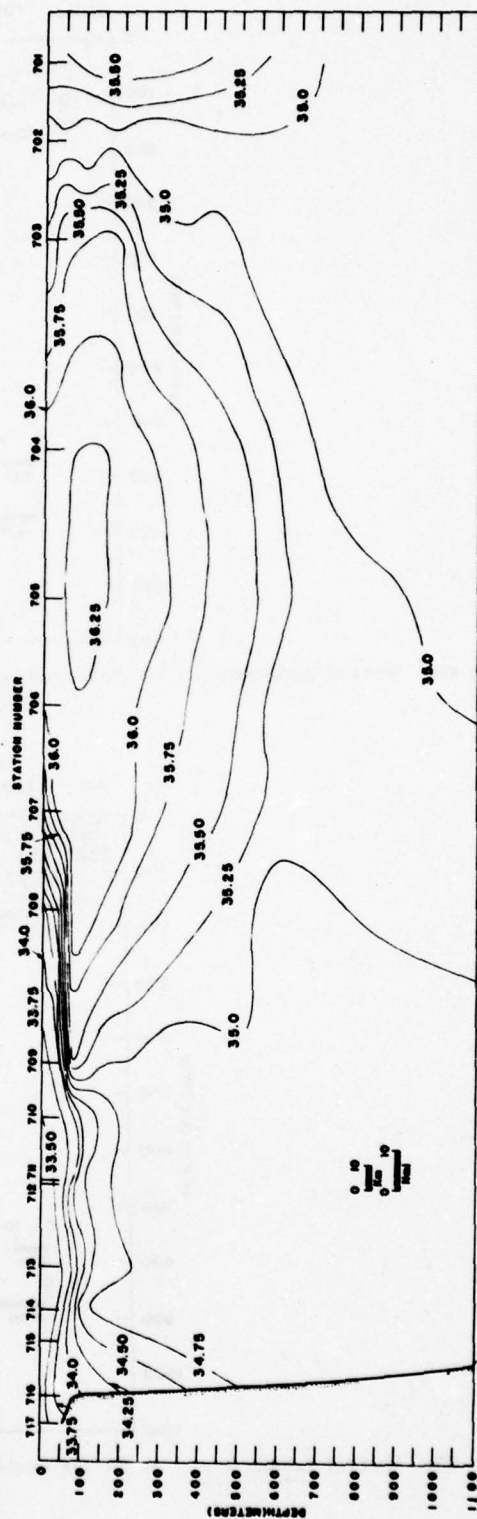


FIGURE 48b. Vertical salinity (‰) profile for section A3 from data obtained by CGC HAMILTON, 17-20 November 1975.

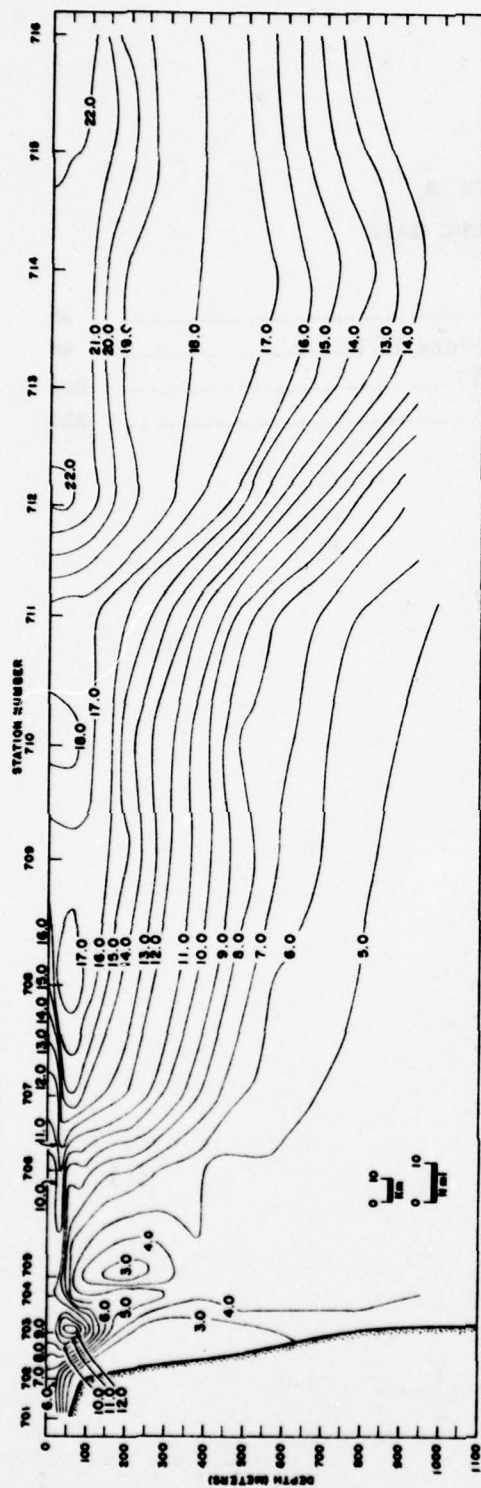


FIGURE 49a. Vertical temperature ($^{\circ}\text{C}$) profile for section A4 from data obtained by CGC HAMILTON, 21-23 November 1975.

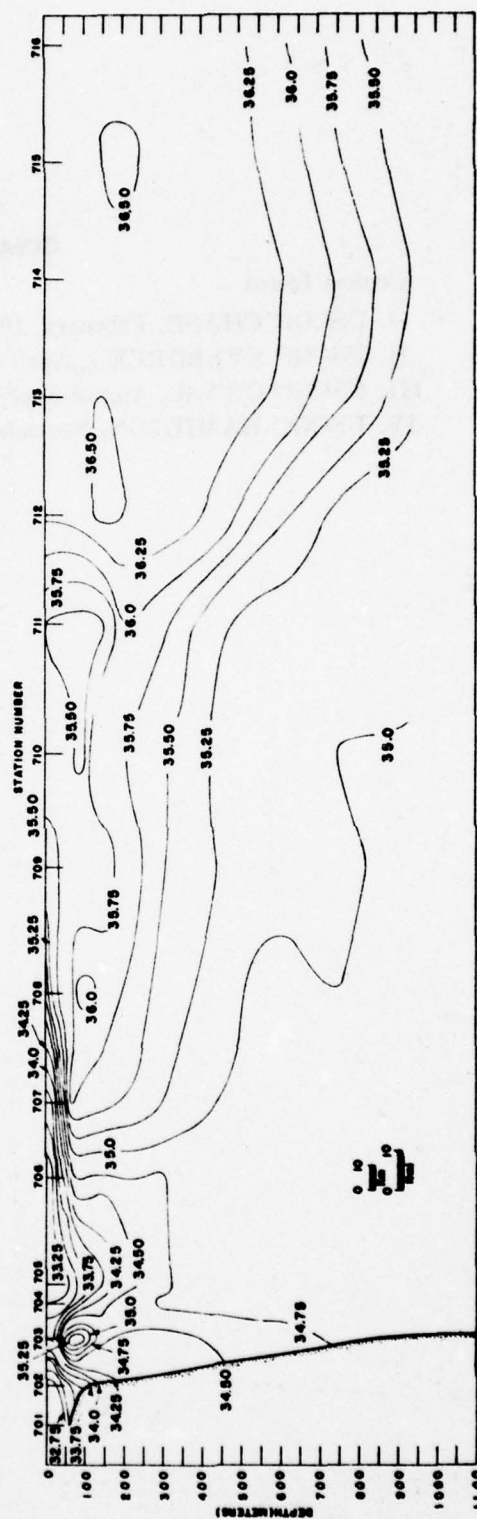


FIGURE 49b. Vertical salinity (‰) profile for section A4 from data obtained by CGC HAMILTON, 21-23 November 1975.

APPENDIX A
OCEANOGRAPHIC DATA

Cruises Listed

I. USCGC CHASE, February, 1977 -----	58
II. USCGC EVERGREEN, April and May-June, 1977 -----	83
III. USCGC CHASE, August-September, 1977 -----	304
IV. USCGC HAMILTON, November, 1977 -----	336

Codes Utilized

A complete description of the codes utilized in the tabulation of oceanographic station data can be found in National Oceanographic Data Center publication M-2, *Processing Physical and Chemical Data from Oceanographic Stations*. (Rev. August 1964, supplement issued May 1966.)

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

REFID	NODC reference identity number.
CONSEC	Consecutive station number.
BOTDP (B)	Uncorrected sounding depth in meters.
SHIP (B)	NODC assigned platform identity code.
DATA USE	Entry 1 identifies DNP data.
AREA	NODC ocean area code.
CLOUD T/A (B)	Cloud type according to WMO code 0500 and cloud amount according to WMO code 2700.
Wave observations	
DIR	Direction from which dominant waves are coming in tens of degrees according to WMO code 0885.
HGT	Height of dominant waves according to WMO code 1555.
PER	Period of dominant waves according to WMO code 3155.
SEA (B)	Sea state according to WMO code 3700.
CL/TR (B)	Water color according to fore-ule code. Transparency in meters as determined by Secchi disc.
WIND DIR (B)	Direction from which wind is blowing in tens of degrees according to WMO code 0877.
WIND SPD (B)	Wind speed in knots.
WIND FOR (B)	Wind force in beaufort code.
WEATHER (B)	Weather code—If preceded by letter X is according to WMO code 4501. A numeric two digit entry indicates weather according to WMO code 4677.
INST	Instrument used for observation—"Nansen Cast" indicates station consists of Nansen cast data—"STD Recorder" indicates station consists of STD data or a mixture of STD and Nansen cast data.
TRACE DIR (B)	"Trace" indicator U (UP), D (DOWN), and A (AVERAGED)—used with STD casts, and specify that data were taken while hoisting or lowering respectively or that the two traces were averaged.
DURATION (B)	Time elapsed during raising or lowering of the STD recorder to tenths of hours.
ORIG (B)	Originator's reference number in two parts—cruise number or 3 characters (if year of cruise forms part of cruise number years digits may sometimes only be found in "Year" field), and station number.
TEN SQ	Ten-degree square—modified Canadian square number.
5 SQUARE	Five-degree squares—modified Canadian system.
2 SQUARE	Two-degree squares—modified Canadian system.
1 SQUARE	One-degree squares—modified Canadian system.
CASTNUM (B)	Number of cast on multicast stations (blank when messenger time is given).
TIME (B)	Time of release of messenger in hour and tenths for applicable observed levels. If multicast series extends past midnight, 24 hours are added to cast time of next day. Beginning time for STD is given at first obs depth.
LVLTP	Type of record at depth indicated. "OBS"—observed values. For STD recorder = level of data read-out. "STD"—NODC standard interpolated values. "ORG"—Standard or other depths carrying non-NODC interpolated values. "LIT"—Interpolated standard depth values used as obs for computational purposes. Note—When an observed level coincides with a STD depth level, both "STD" and "OBS" lines will appear.
DEPTH	Depth of sample (or standard level) in whole meters. Prefix "T" indicates thermometrically determined depth (depth of unprotected thermometers). Subscript "Q" indicates that the value is marked doubtful by the originator. A value designated as implausible by NODC is marked with a "P". Postscript "Z" indicates uncorrected and inaccurate 'Wire-out' depths (high wire angle present).
TEMP (B)	Temperature in degrees celsius. For 'Q' and 'P' notation see depth field.
SAL (B)	Salinity in parts per thousand. For 'Q' and 'P' notation see depth field.
SIGMA-T (B)	Seawater density anomaly to 2 decimal places. When depth, temp, or salinity is doubtful, a 'Q' is suffixed. An asterisk indicates a decrease of 0.02 or more from the previous level.
DYNDPTH	Dynamic depth anomaly in dynamic meters to millimeters.
SND VEL (B)	Sound velocity in meters per second to decimeters according to Wilson's formula. (A standard depth-pressure term is used for stations not beginning at the surface).
OXYG (B)	Oxygen in ML/L to hundredths.

TABLE I. USCGC CHASE, February, 1977.

NOCC STATION DATA

REFID 31 0433	YEAR 1975	BOTOP 04480	AIR TEMP 16.0	DIR HGT PER	WIND-DIR 27	INST STC RECORDER	TEN SQ 1307
CONSEC 0001	MONTH 02	SHIP E1	MET BULB 16.3		WIND-SPD 25	TRACE DIR D	5 SQUARE 1
LAT 40 18 N	DAY 08	DATA USE 1	SARCHETR 0995.3	SEA	WIND-FOR	CURATION	2 SQUARE 00
LONG 050 20 W	HOUR 03.4	AREA 05	CLOUD T/A	CL/TA	WEATHER X2	ORIG A4 03101	1 SQUARE 00

CASHTUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OKYG	PO4	TOT P.	NO2	NO3	SI03	PH
03.4	STD	00000	14.74	35.81	26.67	00.000	1507.6							
	OBS	00000	14.74	35.81	26.67		1507.6							
	STD	00010	14.72	35.82	26.68	00.014	1507.7							
	OBS	00010	14.72	35.82	26.68		1507.7							
	STD	00020	14.73	35.82	26.68	00.027	1507.9							
	OBS	00020	14.73	35.82	26.68		1507.9							
	STD	00030	14.78	35.84	26.69	00.041	1508.2							
	OBS	00030	14.78	35.84	26.69		1508.2							
	STD	00050	14.77	35.85	26.70	00.065	1508.5							
	OBS	00050	14.77	35.85	26.70		1508.5							
	STD	00075	14.77	35.85	26.70	00.103	1508.9							
	OBS	00075	14.77	35.85	26.70		1508.9							
	STD	00100	14.74	35.85	26.70	00.138	1509.3							
	OBS	00100	14.74	35.85	26.70		1509.3							
	STD	00125	14.75	35.85	26.70	00.172	1509.7							
	OBS	00125	14.75	35.85	26.70		1509.7							
	STD	00150	14.75	35.84	26.69	00.207	1510.1							
	OBS	00150	14.75	35.84	26.69		1510.1							
	OBS	00185	14.75	35.84	26.69		1510.7							
	STD	00200	14.48	35.83	26.74	00.277	1510.0							
	OBS	00200	14.48	35.83	26.74		1510.0							
	STD	00250	13.18	35.71	26.92	00.341	1506.5							
	OBS	00250	13.18	35.71	26.92		1506.5							
	STD	00300	12.04	35.56	27.03	00.395	1503.2							
	OBS	00300	12.04	35.56	27.03		1503.2							
	STD	00400	09.03	35.22	27.30	00.498	1493.7							
	OBS	00400	09.03	35.22	27.30		1493.7							
	STD	00500	07.67	35.11	27.43	00.578	1490.0							
	OBS	00500	07.67	35.11	27.43		1490.0							
	STD	00600	06.19	35.00	27.55	00.647	1485.7							
	OBS	00600	06.19	35.00	27.55		1485.7							
	STD	00700	05.67	35.04	27.65	00.706	1485.3							
	OBS	00700	05.67	35.04	27.65		1485.3							
	STD	00800	05.30	35.05	27.70	00.759	1485.5							
	OBS	00800	05.30	35.05	27.70		1485.5							
	STD	00900	04.94	35.04	27.74	00.808	1485.7							
	OBS	00900	04.94	35.04	27.74		1485.7							
	STD	01000	04.66	35.00	27.74	00.856	1486.1							
	OBS	01000	04.66	35.00	27.74		1486.1							
	STD	01100	04.47	35.01	27.74	00.903	1487.0							
	OBS	01100	04.47	35.01	27.74		1487.0							
	STD	01200	04.32	34.98	27.76	00.950	1488.1							
	OBS	01200	04.32	34.98	27.76		1488.1							
	STD	01300	04.24	34.98	27.77	00.997	1489.4							
	OBS	01300	04.24	34.98	27.77		1489.4							
	STD	01400	04.04	34.96	27.77	01.044	1490.2							
	OBS	01400	04.04	34.96	27.77		1490.2							
	STD	01500	03.98	34.95	27.77	01.092	1491.6							
	OBS	01500	03.98	34.95	27.77		1491.6							

TABLE I. USCGC CHASE, February, 1977.—Continued

MOOC STATION DATA

REFID 31 8433	YEAR 1975	BOTDP 04572	AIR TEMP 11.1	DIR MGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1307
CONSEC 0002	MONTH 02	S-IP E1	WET BULB 09.9	SEA	WIND-SPD 30	TRACE DIR C	5 SQUARE 1
LAT 40 50 N	DAY 08	DATA USE 1	BARCHETA 0994.9	CL/TR	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 16.3W	MOOR 07.5	AREA 05	CLOUD T/A		WEATHER X2	DRIQ A4 03102	1 SQUARE 00

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OKYG	PO4	TOT R	NO2	NC3	SID3	PH
	STD	00010	14.96	35.93	26.71		1508.6							
	OBS	00010	14.96	35.93	26.71		1508.6							
	STD	00020	14.97	35.92	26.70		1508.8							
	OBS	00020	14.97	35.92	26.70		1508.8							
	STD	00030	15.00	35.93	26.71		1509.0							
	OBS	00030	15.00	35.93	26.71		1509.0							
	OBS	00040	14.85	35.88	26.70		1508.7							
	STD	00050	14.77	35.88	26.72		1508.6							
	OBS	00050	14.77	35.88	26.72		1508.6							
	STD	00075	14.70	35.88	26.73		1508.7							
	OBS	00075	14.70	35.88	26.73		1508.7							
	STD	00100	14.66	35.88	26.74		1509.0							
	OBS	00100	14.66	35.88	26.74		1509.0							
	STD	00125	14.64	35.87	26.74		1509.4							
	OBS	00125	14.64	35.87	26.74		1509.4							
	STD	00150	14.62	35.85	26.73		1509.7							
	OBS	00150	14.62	35.85	26.73		1509.7							
	STD	00200	14.45	35.84	26.76		1509.9							
	OBS	00250	14.28	35.80	26.76		1510.2							
	OBS	00250	14.28	35.80	26.76		1510.2							
	STD	00300	13.33	35.73	26.51		1507.8							
	OBS	00300	13.33	35.73	26.51		1507.8							
	STD	00400	10.54	35.37	27.17		1469.4							
	OBS	00400	10.54	35.37	27.17		1469.4							
	STD	00500	08.19	35.13	27.37		1462.0							
	OBS	00500	08.19	35.13	27.37		1462.0							
	STD	00600	06.40	35.02	27.34		1486.6							
	OBS	00600	06.40	35.02	27.34		1486.6							
	STD	00700	05.50	34.99	27.43		1484.6							
	OBS	00700	05.50	34.99	27.43		1484.6							
	OBS	00705	05.70	35.06	27.46		1485.6							
	STD	00800	05.35	35.06	27.70		1485.7							
	OBS	00800	05.35	35.06	27.70		1485.7							
	OBS	00870	04.75	34.97	27.70		1484.3							
	STD	00900	04.91	35.04	27.74		1485.6							
	OBS	00900	04.91	35.04	27.74		1485.6							
	STD	01000	04.72	35.00	27.73		1486.4							
	OBS	01000	04.72	35.00	27.73		1486.4							
	STD	01100	04.55	34.99	27.74		1487.3							
	OBS	01100	04.55	34.99	27.74		1487.3							
	STD	01200	04.20	34.94	27.74		1487.5							
	OBS	01200	04.20	34.94	27.74		1487.5							
	STD	01300	04.00	34.92	27.74		1488.3							
	OBS	01300	04.00	34.92	27.74		1488.3							
	STD	01400	03.95	34.92	27.75		1489.8							
	OBS	01400	03.95	34.92	27.75		1489.8							
	STD	01500	03.87	34.91	27.75		1491.1							
	OBS	01500	03.87	34.91	27.75		1491.1							

TABLE I. USCGC CHASE, February, 1977.—Continued

MDDC STATION DATA

REFID 31 8433 YEAR 1975 BOTDP 04206 AIA TEMP 05.3 DIR MGT PER WIND-DIR 34 INST STD RECORDER TEN 50 1307
 COMSEC 0003 MONTH 02 SHIP E1 NET BULB 08.0 23 5 6 WIND-SPD 25 TRACE DIR 0 5 SQUARE 1
 LAT 41 22 N DAY 08 DATA USE 1 BAROMETR 1000.1 SEA CL/TR WEATHER X1 DURATION 2 SQUARE 00
 LONG 050 22.54 HOUR 11.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIE A4 03103 1 SQUARE 10

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	DRYG	PD4	TOT P	NO2	NO3	SID3	PH
11.3	STD	00000	14.97	35.93	26.71	00.000	1508.4							
	OBS	00000	14.97	35.93	26.71		1508.4							
	STD	00010	14.97	35.93	26.71	00.013	1508.6							
	OBS	00010	14.97	35.93	26.71		1508.6							
	STD	00020	14.98	35.93	26.71	00.027	1508.8							
	OBS	00020	14.98	35.93	26.71		1508.8							
	STD	00030	14.98	35.93	26.71	00.040	1509.0							
	OBS	00030	14.98	35.93	26.71		1509.0							
	STD	00050	14.99	35.93	26.71	00.067	1509.3							
	OBS	00050	14.99	35.93	26.71		1509.3							
	STD	00075	14.99	35.93	26.71	00.102	1509.7							
	OBS	00075	14.99	35.93	26.71		1509.7							
	STD	00100	14.99	35.93	26.71	00.136	1510.1							
	OBS	00100	14.99	35.93	26.71		1510.1							
	STD	00125	15.00	35.93	26.71	00.170	1510.6							
	OBS	00125	15.00	35.93	26.71		1510.6							
	STD	00150	15.00	35.93	26.71	00.205	1511.0							
	OBS	00150	15.00	35.93	26.71		1511.0							
	STD	00170	15.00	35.93	26.71		1511.3							
	OBS	00170	15.00	35.93	26.71		1511.3							
	STD	00200	14.21	35.85	26.82	00.272	1509.2							
	OBS	00200	14.21	35.85	26.82		1509.2							
	STD	00250	13.26	35.75	26.94	00.335	1506.8							
	OBS	00250	13.26	35.75	26.94		1506.8							
	STD	00300	11.93	35.58	27.07	00.392	1502.9							
	OBS	00300	11.93	35.58	27.07		1502.9							
	STD	00400	09.37	35.27	27.29	00.489	1495.0							
	OBS	00400	09.37	35.27	27.29		1495.0							
	STD	00500	07.48	35.12	27.47	00.565	1489.3							
	OBS	00500	07.48	35.12	27.47		1489.3							
	STD	00550	05.40	34.88	27.55		1481.8							
	OBS	00550	05.40	34.88	27.55		1481.8							
	STD	00600	05.85	34.94	27.55		1484.1							
	OBS	00600	05.85	34.94	27.55		1484.1							
	STD	00650	05.73	34.94	27.56	00.635	1483.8							
	OBS	00650	05.73	34.94	27.56		1483.8							
	STD	00700	05.88	35.00	27.55		1484.6							
	OBS	00700	05.88	35.00	27.55		1484.6							
	STD	00750	05.73	34.95	27.60		1484.2							
	OBS	00750	05.73	34.95	27.60		1484.2							
	STD	00800	05.46	35.06	27.69	00.691	1484.5							
	OBS	00800	05.46	35.06	27.69		1484.5							
	STD	00850	05.04	35.05	27.73	00.740	1484.4							
	OBS	00850	05.04	35.05	27.73		1484.4							
	STD	00900	04.56	35.00	27.75	00.787	1484.1							
	OBS	00900	04.56	35.00	27.75		1484.1							
	STD	01000	04.42	34.98	27.75	00.833	1485.1							
	OBS	01000	04.42	34.98	27.75		1485.1							
	STD	01100	04.34	34.96	27.75	00.880	1486.5							
	OBS	01100	04.34	34.96	27.75		1486.5							
	STD	01200	04.24	34.97	27.76	00.926	1487.7							
	OBS	01200	04.24	34.97	27.76		1487.7							
	STD	01300	04.09	34.96	27.77	00.973	1488.7							
	OBS	01300	04.09	34.96	27.77		1488.7							
	STD	01400	03.94	34.95	27.77	01.020	1489.8							
	OBS	01400	03.94	34.95	27.77		1489.8							
	STD	01500	03.67	34.94	27.76	01.067	1491.6							
	OBS	01500	03.67	34.94	27.76		1491.6							

TABLE I. USCGC CHASE, February, 1977.- Continued

N O D C S T A T I O N D A T A

REFID 31 8433	YEAR 1975	BOTDP 03750	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1307
COMSEC 0004	MONTH 02	SHIP E1	WET BULB 05.5	23 3 5	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 41 52.3N	DAY 08	DATA USE 1	BAROMETR 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 26.1W	HOUR 15.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 03104	1 SQUARE 10

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTh	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.4	STD	00030	06.55	33.78	26.45	00.000	1477.3							
	OBS	00000	06.55	33.78	26.45		1477.3							
	STD	00010	06.83	33.65	26.43 *	00.016	1476.8							
	OBS	00010	06.83	33.65	26.43		1476.8							
	STD	00020	06.70	33.68	26.15 *	00.033	1484.2							
	OBS	00020		33.68										
	STD	00030	10.29	33.70	25.91 *	00.053	1490.3							
	OBS	00030		33.70										
	STD	00050	12.58	35.34	26.76	00.087	1500.7							
	OBS	00050	12.58	35.34	26.76		1500.7							
	OBS	00058	13.17	35.56	26.81		1503.1							
	STD	00075	12.64	35.52	26.88	00.119	1501.5							
	OBS	00078	12.55	35.51	26.90		1501.3							
	OBS	00060	12.93	35.61	26.90		1502.5							
	STD	00100	12.32	35.55	26.97	00.148	1500.9							
	OBS	00100	12.32	35.55	26.97		1500.9							
	OBS	00115	11.93	35.49	27.00		1499.7							
	STD	00125	12.23	35.56	27.01	00.175	1501.0							
	OBS	00125	12.23	35.58	27.01		1501.0							
	OBS	00130	12.38	35.60	27.00		1501.7							
	STD	00150	11.68	35.54	27.09	00.202	1499.5							
	OBS	00150	11.68	35.54	27.09		1499.5							
	STD	00200	10.58	35.40	27.18	00.251	1496.3							
	OBS	00200	10.58	35.40	27.18		1496.3							
	STD	00250	09.61	35.31	27.28	00.296	1493.5							
	OBS	00250	09.61	35.31	27.28		1493.5							
	STD	00300	08.52	35.17	27.35	00.337	1490.0							
	OBS	00300	08.52	35.17	27.35		1490.0							
	OBS	00350	06.47	34.87	27.41		1482.5							
	OBS	00360	06.78	34.95	27.43		1484.0							
	STD	00400	05.34	34.72	27.43	00.412	1478.6							
	OBS	00400	05.34	34.72	27.43		1478.6							
	OBS	00440	06.43	35.08	27.58		1484.1							
	STD	00500	05.19	34.93	27.62	00.474	1479.9							
	OBS	00500	05.19	34.93	27.62		1479.9							
	OBS	00510	05.14	34.93	27.62		1479.9							
	OBS	00545	05.57	35.05	27.67		1482.4							
	STD	00600	05.34	35.05	27.70	00.526	1482.4							
	OBS	00630	05.34	35.05	27.70		1482.4							
	STD	00700	05.00	35.03	27.72	00.574	1482.6							
	OBS	00700	05.00	35.03	27.72		1482.6							
	STD	00800	04.71	35.03	27.75	00.615	1483.1							
	OBS	00800	04.71	35.03	27.75		1483.1							
	OBS	00830	04.44	34.97	27.74		1482.4							
	STD	00900	04.34	34.97	27.75	00.664	1483.1							
	OBS	00900	04.34	34.97	27.75		1483.1							
	STD	01030	04.26	34.97	27.76	00.705	1484.5							
	OBS	01000	04.26	34.97	27.76		1484.5							
	STD	01100	04.31	34.97	27.75	00.755	1486.3							
	OBS	01100	04.31	34.97	27.75		1486.3							
	STD	01200	04.27	35.11	27.87	00.797	1488.0							
	OBS	01200	04.27	35.11	27.87		1488.0							
	STD	01300	04.14	35.10	27.87	00.835	1489.1							
	OBS	01300	04.14	35.10	27.87		1489.1							
	STD	01400	04.03	35.09	27.88	00.872	1490.4							
	OBS	01400	04.03	35.09	27.88		1490.4							
	STD	01500	03.97	35.06	27.86	00.910	1491.7							
	OBS	01500	03.97	35.06	27.86		1491.7							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA														
REFID 31 0433	YEAR 1975	BOTOP 02377	AIR TEMP	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SO 1307							
CONSEC 0005	MONTH 02	SHIP 81	WET BULB	30 3 6	WIND-SPD 25	TRACE DIR D	5 SQUARE 1							
LAT 42 11.8N	DAY 08	DATA USE 1	BAROMETR 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 20							
LONG 050 25.8W	MOOR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 03105	1 SQUARE 20							
CASHTN/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	STD	00000	05.65	33.48	26.41	00.000	1471.8							
	OBS	00000	05.65	33.48	26.41		1471.8							
	STD	00010	05.48	33.47	26.41	00.016	1471.9							
	OBS	00010	05.48	33.47	26.41		1471.9							
	STD	00020	05.31	33.46	26.44	00.032	1470.6							
	OBS	00020	05.31	33.46	26.44		1470.6							
	STD	00030	06.33	33.68	26.49	00.048	1475.2							
	OBS	00030	06.33	33.68	26.49		1475.2							
	STD	00050	07.52	33.94	26.53	00.079	1480.5							
	OBS	00050	07.52	33.94	26.53		1480.5							
	STD	00075	09.12	34.64	26.64	00.113	1487.9							
	OBS	00075	09.12	34.64	26.64		1487.9							
	STD	00080	09.51	34.89	26.90		1491.2							
	OBS	00080	09.51	34.89	26.90	00.142	1487.4							
	STD	00100	08.82	34.80	27.01		1487.4							
	OBS	00100	08.82	34.80	27.01	00.166	1476.7							
	STD	00125	06.81	34.52	27.05		1479.7							
	OBS	00125	06.81	34.52	27.05	00.193	1478.7							
	STD	00150	06.43	34.54	27.15		1478.7							
	OBS	00150	06.43	34.54	27.15	00.237	1471.8							
	STD	00180	04.67	34.40	27.26		1471.8							
	OBS	00180	04.67	34.40	27.26	00.278	1474.3							
	STD	00200	05.17	34.47	27.26		1474.3							
	OBS	00200	05.17	34.47	27.26	00.314	1471.1							
	STD	00240	04.19	34.42	27.33		1471.1							
	OBS	00240	04.19	34.42	27.33	00.375	1470.9							
	STD	00250	04.30	34.46	27.35		1470.9							
	OBS	00250	04.30	34.46	27.35	00.424	1471.5							
	STD	00270	04.63	34.50	27.34		1471.5							
	OBS	00270	04.63	34.50	27.34	00.471	1473.3							
	STD	00300	04.00	34.50	27.41		1471.1							
	OBS	00300	04.00	34.50	27.41	00.516	1471.1							
	STD	00320	03.87	34.52	27.44		1470.9							
	OBS	00320	03.87	34.52	27.44	00.560	1480.5							
	STD	00370	05.83	35.04	27.63		1479.8							
	OBS	00370	05.83	35.04	27.63	00.604	1480.5							
	STD	00400	05.54	35.02	27.65		1479.8							
	OBS	00400	05.54	35.02	27.65	00.645	1479.8							
	STD	00500	05.14	35.01	27.65		1479.8							
	OBS	00500	05.14	35.01	27.65	00.740	1479.8							
	STD	00600	04.87	35.01	27.72		1480.4							
	OBS	00600	04.87	35.01	27.72	00.786	1480.4							
	STD	00700	04.65	35.00	27.74		1481.1							
	OBS	00700	04.65	35.00	27.74	00.833	1481.1							
	STD	00800	04.30	34.97	27.75		1481.1							
	OBS	00800	04.30	34.97	27.75	00.881	1481.3							
	STD	00900	03.90	34.91	27.75		1481.3							
	OBS	00900	03.90	34.91	27.75	00.940	1481.2							
	STD	00950	04.01	34.93	27.75		1481.2							
	OBS	00950	04.01	34.93	27.75	00.990	1482.0							
	STD	01000	03.86	34.90	27.74		1482.7							
	OBS	01000	03.86	34.90	27.74	00.040	1482.7							
	STD	01010	03.51	34.90	27.74		1482.7							
	OBS	01010	03.51	34.90	27.74	00.090	1483.1							
	STD	01040	03.77	34.89	27.74		1483.1							
	OBS	01040	03.77	34.89	27.74	00.140	1483.0							
	STD	01100	04.11	34.96	27.76		1485.5							
	OBS	01100	04.11	34.96	27.76	00.190	1485.5							
	STD	01200	04.02	34.95	27.77		1486.8							
	OBS	01200	04.02	34.95	27.77	00.240	1486.8							
	STD	01300	04.02	34.95	27.77		1488.4							
	OBS	01300	04.02	34.95	27.77	00.290	1488.4							
	STD	01400	03.95	34.94	27.77		1488.4							
	OBS	01400	03.95	34.94	27.77	00.340	1489.8							
	STD	01500	03.85	34.92	27.76		1489.8							
	OBS	01500	03.85	34.92	27.76	00.390	1491.1							
	STD	01530	03.85	34.92	27.76		1491.1							
	OBS	01530	03.85	34.92	27.76	00.440	1491.1							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

RTDID 31 0433	YEAR 1975	BOTDP 02377	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SO 1307
CONSEC 0004	MONTH 02	SHIP E1	WET BULB 02.0	27 4 6	WIND-SPD 20	TRACE DIR 0	5 SQUARE 1
LA° 42 24 N	DAY 08	DATA USE 1	BAROMETR 1003.0	SEA	WIND-FOR	DURATICA	2 SQUARE 20
LONG 090 24 N	MOOR 20.9	AREA 05	CLCUO T/A	CL/TR	WEATHER X1	ORIG A4 03106	1 SQUARE 20

CASTNO/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
20.5	STD	00000	03.84	33.12	26.33	00.000	1463.7							
	OBS	00000	03.84	33.12	26.33		1463.7							
	STD	00010	03.87	33.13	26.34	00.017	1464.0							
	OBS	00010	03.87	33.13	26.34		1464.0							
	STD	00020	03.84	33.13	26.34	00.034	1464.1							
	OBS	00020	03.84	33.13	26.34		1464.1							
	STD	00030	03.59	33.13	26.34	00.051	1463.1							
	OBS	00030	03.59	33.13	26.34		1463.1							
	STD	00050	02.47	33.34	26.43	00.082	1458.9							
	OBS	00050	02.47	33.34	26.43		1458.9							
	STD	00075	03.22	33.78	26.51	00.114	1463.1							
	OBS	00075	03.22	33.78	26.51		1463.1							
	STD	00090	03.22	33.80	26.93		1463.4							
	OBS	00100	03.42	33.54	27.04	00.141	1464.6							
	STD	00100	03.42	33.54	27.04		1464.6							
	OBS	00105	03.27	34.04	27.12		1464.2							
	STD	00125	02.82	34.04	27.16	00.166	1462.6							
	OBS	00125	02.82	34.04	27.16		1462.6							
	STD	00150	02.58	34.16	27.24	00.188	1463.8							
	OBS	00150	02.58	34.16	27.24		1463.8							
	STD	00190	03.73	34.44	27.39		1468.1							
	OBS	00200	03.58	34.47	27.43	00.224	1467.7							
	STD	00200	03.58	34.47	27.43		1467.7							
	OBS	00225	04.30	34.66	27.51		1471.4							
	STD	00250	04.08	34.72	27.58	00.257	1470.5							
	OBS	00250	04.08	34.72	27.58		1470.5							
	STD	00300	04.08	34.73	27.58	00.284	1471.8							
	OBS	00300	04.08	34.73	27.58		1471.8							
	STD	00400	04.13	34.86	27.68	00.334	1473.8							
	OBS	00400	04.13	34.86	27.68		1473.8							
	STD	00450	03.93	34.86	27.70		1473.8							
	OBS	00490	04.23	34.97	27.76		1475.5							
	STD	00500	04.05	34.94	27.75	00.377	1475.2							
	OBS	00500	04.05	34.94	27.75		1475.2							
	STD	00530	04.55	35.00	27.75		1477.5							
	OBS	00540	04.25	34.57	27.74		1477.1							
	STD	00580	04.65	35.01	27.74		1479.1							
	OBS	00600	04.47	34.59	27.75	00.418	1478.7							
	STD	00600	04.47	34.59	27.75		1478.7							
	OBS	00700	04.35	34.98	27.75	00.461	1480.0							
	STD	00700	04.35	34.98	27.75		1480.0							
	OBS	00800	04.32	34.98	27.76	00.504	1481.4							
	STD	00800	04.32	34.98	27.76		1481.4							
	OBS	00900	04.20	34.97	27.76	00.548	1482.5							
	STD	00900	04.20	34.97	27.76		1482.5							
	OBS	01000	04.02	34.96	27.77	00.591	1483.4							
	STD	01000	04.02	34.96	27.77		1483.4							
	OBS	01100	04.04	34.96	27.77	00.635	1485.2							
	STD	01100	04.04	34.96	27.77		1485.2							
	OBS	01200	03.98	34.95	27.77	00.680	1486.6							
	STD	01200	03.98	34.95	27.77		1486.6							
	OBS	01300	03.95	34.97	27.75	00.724	1488.2							
	STD	01300	03.95	34.97	27.75		1488.2							
	OBS	01400	03.88	34.96	27.75	00.769	1489.6							
	STD	01400	03.88	34.96	27.75		1489.6							
	OBS	01500	03.85	34.96	27.79	00.814	1491.1							
	STD	01500	03.85	34.96	27.79		1491.1							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID 31 0433 YEAR 1975 BOTOP 01701 AIR TEMP 05.0 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SO 1307
 CONSEC 0007 MONTH 02 SHIP 81 WET BULB 04.5 28 3 5 WIND-SPD 20 TRACE DIR C 5 SQUARE 1
 LAT 42 36 N DAY 08 DATA USE 1 BAROMETER 1002.4 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 21.9W HOUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG A4 03107 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	STD	00000	01.81	33.69	26.86	00.000	1455.6							
	OBS	00000	01.81	33.65	26.86		1455.6							
	STD	00010	01.09	33.69	27.01	00.011	1452.6							
	OBS	00010	01.09	33.69	27.01		1452.6							
	STD	00020	00.97	33.74	27.06	00.021	1452.3							
	OBS	00020	00.97	33.74	27.06		1452.3							
	STD	00030	00.76	33.74	27.07	00.031	1451.5							
	OBS	00030	00.76	33.74	27.07		1451.5							
	STD	00050	00.87	33.87	27.17	00.050	1452.5							
	OBS	00050	00.87	33.87	27.17		1452.5							
	STD	00060	00.76	33.88	27.18		1452.2							
	OBS	00075	00.91	33.94	27.22	00.072	1453.2							
	OBS	00075	00.91	33.94	27.22		1453.2							
	STD	00100	01.10	33.99	27.25	00.094	1454.5							
	OBS	00100	01.10	33.99	27.25		1454.5							
	STD	00125	01.38	34.04	27.27	00.114	1456.3							
	OBS	00125	01.38	34.04	27.27		1456.3							
	STD	00150	01.77	34.14	27.32	00.134	1458.5							
	OBS	00150	01.77	34.14	27.32		1458.5							
	STD	00200	02.16	34.27	27.40	00.171	1461.3							
	OBS	00200	02.16	34.27	27.40		1461.3							
	STD	00250	02.31	34.42	27.50	00.203	1462.9							
	OBS	00250	02.31	34.42	27.50		1462.9							
	OBS	00275	03.53	34.67	27.59		1469.0							
	STD	00300	02.99	34.61	27.60	00.231	1467.0							
	OBS	00300	02.99	34.61	27.60		1467.0							
	STD	00400	03.33	34.75	27.68	00.280	1470.3							
	OBS	00400	03.33	34.75	27.68		1470.3							
	STD	00500	03.37	34.83	27.74	00.324	1472.2							
	OBS	00500	03.37	34.83	27.74		1472.2							
	STD	00600	03.47	34.89	27.77	00.363	1474.4							
	OBS	00600	03.47	34.89	27.77		1474.4							
	STD	00700	03.49	34.91	27.79	00.402	1476.1							
	OBS	00700	03.49	34.91	27.79		1476.1							
	STD	00800	03.50	34.91	27.79	00.440	1477.8							
	OBS	00800	03.50	34.91	27.79		1477.8							
	STD	00900	03.46	34.92	27.80	00.479	1479.4							
	OBS	00900	03.46	34.92	27.80		1479.4							
	STD	01000	03.44	34.91	27.79	00.518	1480.9							
	OBS	01000	03.44	34.91	27.79		1480.9							
	STD	01100	03.44	34.91	27.79	00.558	1482.6							
	OBS	01100	03.44	34.91	27.79		1482.6							
	STD	01200	03.45	34.90	27.78	00.600	1484.3							
	OBS	01200	03.45	34.90	27.78		1484.3							
	STD	01300	03.45	34.90	27.78	00.643	1486.0							
	OBS	01300	03.45	34.90	27.78		1486.0							
	STD	01400	03.47	34.90	27.78	00.686	1487.7							
	OBS	01400	03.47	34.90	27.78		1487.7							
	STD	01500	03.47	34.90	27.78	00.731	1489.4							
	OBS	01500	03.47	34.90	27.78		1489.4							

REFID 31 0433 YEAR 1975 BOTOP 00402 AIR TEMP 02.2 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SO 1307
 CONSEC 0008 MONTH 02 SHIP 81 WET BULB 01.2 28 3 7 WIND-SPD 20 TRACE DIR C 5 SQUARE 1
 LAT 42 47.3N DAY 09 DATA USE 1 BAROMETER 1006.1 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 20.6W HOUR 01.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG A4 03108 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.4	STD	00000	- 0.18	33.23	26.71	00.000	1446.0							
	OBS	00000	- 0.18	33.23	26.71		1446.0							
	STD	00010	- 0.29	33.30	26.77	00.013	1445.8							
	OBS	00010	- 0.29	33.30	26.77		1445.8							
	STD	00020	- 0.41	33.39	26.85	00.026	1445.5							
	OBS	00020	- 0.41	33.39	26.85		1445.5							
	STD	00030	- 0.46	33.44	26.85	00.038	1445.5							
	OBS	00030	- 0.46	33.44	26.85		1445.5							
	STD	00050	- 0.41	33.51	26.94	00.060	1446.2							
	OBS	00050	- 0.41	33.51	26.94		1446.2							
	STD	00075	- 0.18	33.56	27.00	00.088	1447.7							
	OBS	00075	- 0.18	33.56	27.00		1447.7							
	STD	00100	- 0.05	33.63	27.03	00.114	1448.8							
	OBS	00100	- 0.05	33.63	27.03		1448.8							
	STD	00125	00.03	33.66	27.05	00.140	1449.6							
	OBS	00125	00.03	33.66	27.05		1449.6							
	STD	00150	00.16	33.75	27.11	00.165	1450.8							
	OBS	00150	00.16	33.75	27.11		1450.8							
	STD	00175	00.81	33.90	27.20		1454.7							
	OBS	00200	00.70	33.87	27.18	00.211	1454.2							
	OBS	00200	00.70	33.87	27.18		1454.2							
	STD	00250	02.36	34.15	27.28	00.254	1462.8							
	OBS	00250	02.36	34.15	27.28		1462.8							
	STD	00300	02.18	34.27	27.39	00.292	1463.0							
	OBS	00300	02.18	34.27	27.39		1463.0							
	OBS	00327	02.03	34.32	27.45		1462.5							
	OBS	00345	02.34	34.37	27.46		1464.6							
	OBS	00380	02.58	34.43	27.49		1466.3							

TABLE 1. USCGC CHASE, February, 1977.—Continued

MOOD STATION DATA

REFID 31 0433 YEAR 1975 BOTDP 00051 AIR TEMP 01.5 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1307
 CONSEC 0001 MONTH 02 SHIP E1 WET BULB 01.0 28 4 5 WIND-SPD 35 TRACE DIR D 5 SQUARE 1
 LAT 43 00 N DAY 09 DATA USE 1 BAROMETER 1007.5 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 22 W HOUR 03.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIF A4 03109 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.4	STD	00000	01.92	32.46	25.97	00.000	1454.4							
	OBS	00000	01.92	32.46	25.97		1454.4							
	STD	00010	01.85	32.47	25.98	00.020	1454.3							
	OBS	00010	01.85	32.47	25.98		1454.3							
	STD	00020	00.62	32.85	26.36	00.035	1449.5							
	OBS	00020	00.62	32.85	26.36		1449.5							
	STD	00030	00.52	32.86	26.38	00.056	1449.2							
	OBS	00030	00.52	32.86	26.38		1449.2							
	STD	00050	00.48	32.92	26.43	00.088	1449.4							
	OBS	00050	00.48	32.92	26.43		1449.4							
	OBS	00055	00.54	33.06	26.54		1450.0							
	OBS	00063	00.31	33.28	26.73		1449.4							
	STD	00075	00.94	33.60	26.95	00.122	1452.5							
	OBS	00075	00.94	33.60	26.95		1452.9							
	OBS	00080	00.95	33.60	26.95		1453.0							

REFID 31 0433 YEAR 1975 BOTDP 00078 AIR TEMP 01.5 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1307
 CONSEC 0010 MONTH 02 SHIP E1 WET BULB 01.0 28 4 5 WIND-SPD 35 TRACE DIR D 5 SQUARE 1
 LAT 43 10 N DAY 09 DATA USE 1 BAROMETER 1008.0 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 12.0W HOUR 04.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIF A4 03110 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.5	STD	00000	02.99	32.38	25.82	00.000	1459.0							
	OBS	00000	02.99	32.38	25.82		1459.0							
	STD	00010	02.96	32.40	25.84	00.022	1459.1							
	OBS	00010	02.96	32.40	25.84		1459.1							
	STD	00020	02.64	32.39	25.86	00.043	1457.8							
	OBS	00020	02.64	32.39	25.86		1457.8							
	STD	00030	00.87	32.58	26.13	00.064	1450.4							
	OBS	00030	00.87	32.58	26.13		1450.4							
	OBS	00040	- 0.13	32.67	26.42		1446.4							
	STD	00050	- 0.28	33.03	26.55	00.097	1446.1							
	OBS	00050	- 0.28	33.03	26.55		1446.1							
	OBS	00065	- 0.28	33.01	26.54		1446.3							

REFID 31 0434 YEAR 1975 BOTDP 00055 AIR TEMP -00.2 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306
 CONSEC 0001 MONTH 02 SHIP E1 WET BULB -01.2 76 1 X WIND-SPD 32 TRACE DIR C 5 SQUARE 2
 LAT 44 40 N DAY 09 DATA USE 1 BAROMETER 1006.8 SEA WIND-FOR DURATION 2 SQUARE 48
 LONG 049 25 W HOUR 13.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIF A3 06301 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	STD	00000	- 1.17	33.11	26.65	00.000	1441.2							
	OBS	00000	- 1.17	33.11	26.65		1441.2							
	STD	00010	- 1.17	33.11	26.65	00.014	1441.4							
	OBS	00010	- 1.17	33.11	26.65		1441.4							
	STD	00020	- 1.17	33.12	26.66	00.028	1441.6							
	OBS	00020	- 1.17	33.12	26.66		1441.6							
	STD	00030	- 1.17	33.13	26.67	00.042	1441.8							
	OBS	00030	- 1.17	33.13	26.67		1441.8							
	OBS	00040	- 1.17	33.13	26.67		1441.9							

TABLE I. USCGC CHASE, February, 1977.—Continued

MOOC STATION DATA

REFID 31 0434 YEAR 1975 BOTOP 00201 AIR TEMP -00.2 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SO 1304
 CONSEC 0002 MONTH 02 SHIP E1 WET BULB -01.2 79 1 X WIND-SPD 32 TRACE DIA 5 SQUARE 2
 LA° 44 36 N DAY 09 DATA USE 1 BAROMETER 1005.0 SEA WIND-FOR DURATION 2 SQUARE 40
 LONG 049 00 W HOUR 14.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A3 04302 1 SQUARE 40

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DRVC	PO4	TOT P	NO2	NO3	ST03	PH
14.7	STD	00000	- 1.14	33.20	26.72	00.000	1441.4							
	OBS	00000	- 1.14	33.20	26.72		1441.4							
	STD	00010	- 1.14	33.21	26.73	00.013	1441.6							
	OBS	00010	- 1.14	33.21	26.73		1441.6							
	STD	00020	- 1.14	33.22	26.74	00.026	1441.8							
	OBS	00020	- 1.14	33.22	26.74		1441.8							
	STD	00030	- 1.14	33.22	26.74	00.040	1441.9							
	OBS	00030	- 1.14	33.22	26.74		1441.9							
	STD	00050	- 1.14	33.22	26.74	00.066	1442.3							
	OBS	00050	- 1.14	33.22	26.74		1442.3							
	STD	00075	- 0.95	33.39	26.87	00.097	1443.5							
	OBS	00075	- 0.95	33.39	26.87		1443.5							
	STD	00100	- 0.63	33.60	27.03	00.125	1446.1							
	OBS	00100	- 0.63	33.60	27.03		1446.1							
	STD	00125	- 0.29	33.75	27.13	00.150	1448.3							
	OBS	00125	- 0.29	33.75	27.13		1448.3							
	STD	00150	- 0.11	33.83	27.19	00.172	1449.6							
	OBS	00150	- 0.11	33.83	27.19		1449.6							
	OBS	00170	- 0.12	33.92	27.26		1450.0							

REFID 31 0434 YEAR 1975 BOTOP 01682 AIR TEMP 02.0 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SO 1304
 CONSEC 0033 MONTH 02 SHIP E1 WET BULB -01.0 79 1 X WIND-SPD 30 TRACE DIA 5 SQUARE 2
 LA° 44 28.3N DAY 09 DATA USE 1 BAROMETER 1015.9 SEA WIND-FOR DURATION 2 SQUARE 40
 LONG 048 46.6W HOUR 20.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A3 04303 1 SQUARE 40

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DRVC	PO4	TOT P	NO2	NO3	ST03	PH
20.5	STD	00000	00.11	33.73	27.10	00.000	1448.0							
	OBS	00000	00.11	33.73	27.10		1448.0							
	STD	00010	00.11	33.74	27.11	00.010	1448.2							
	OBS	00010	00.11	33.74	27.11		1448.2							
	STD	00020	00.11	33.74	27.11	00.019	1448.4							
	OBS	00020	00.11	33.74	27.11		1448.4							
	STD	00030	00.16	33.74	27.10	00.026	1448.8							
	OBS	00030	00.16	33.74	27.10		1448.8							
	STD	00050	00.18	33.74	27.10	00.048	1449.2							
	OBS	00050	00.18	33.74	27.10		1449.2							
	STD	00075	00.19	33.79	27.14	00.072	1449.7							
	OBS	00075	00.19	33.79	27.14		1449.7							
	OBS	00090	00.93	33.97	27.24		1453.6							
	STD	00100	00.77	34.04	27.31	00.094	1453.1							
	OBS	00100	00.77	34.04	27.31		1453.1							
	STD	00125	00.87	34.06	27.32	00.113	1454.0							
	OBS	00125	00.87	34.06	27.32		1454.0							
	STD	00150	01.22	34.14	27.36	00.131	1456.1							
	OBS	00150	01.22	34.14	27.36		1456.1							
	OBS	00190	01.43	34.28	27.46		1457.9							
	STD	00200	01.73	34.33	27.48	00.163	1459.4							
	OBS	00200	01.73	34.33	27.48		1459.4							
	STD	00250	02.35	34.53	27.59	00.194	1463.4							
	OBS	00250	02.35	34.53	27.59		1463.4							
	STD	00300	02.62	34.61	27.61	00.220	1466.2							
	OBS	00300	02.62	34.61	27.61		1466.2							
	OBS	00340	03.00	34.68	27.65		1467.8							
	STD	00400	03.03	34.70	27.66	00.268	1468.9							
	OBS	00400	03.03	34.70	27.66		1468.9							
	STD	00500	03.46	34.84	27.74	00.312	1472.6							
	OBS	00500	03.46	34.84	27.74		1472.6							
	OBS	00530	03.51	34.85	27.74		1473.3							
	STD	00600	03.50	34.92	27.80	00.351	1474.5							
	OBS	00600	03.50	34.92	27.80		1474.5							
	STD	00700	03.47	34.90	27.78	00.385	1476.0							
	OBS	00700	03.47	34.90	27.78		1476.0							
	STD	00800	03.43	34.90	27.79	00.427	1477.5							
	OBS	00800	03.43	34.90	27.79		1477.5							
	STD	00900	03.42	34.85	27.78	00.467	1479.1							
	OBS	00900	03.42	34.85	27.78		1479.1							
	STD	01000	03.42	34.88	27.77	00.508	1480.8							
	OBS	01000	03.42	34.88	27.77		1480.8							

TABLE 1. USCGC CHASE, February, 1977.—Continued

MOODC STATION DATA

REFID 31 0434 YEAR 1975 BOTOP 01029 AIR TEMP 01.5 DIR HGT PER WIND-DIR 20 INST HANSEN CAST TEN SO 1306
 CONSEC 0304 MONTH 02 SHIP E1 WET BULB -00.2 25 1 5 WIND-SPD 10 TRACE DIR 5 SQUARE 2
 LAT 44 29 N DAY 10 DATA USE 1 BAROMETR 1014.6 SEA CL/TR WEATHER DURATION 2 SQUARE 48
 LONG 048 32 W HOUR 04.9 AREA 05 CLOUD T/A CL/TH WEATHER ORIG A3 06304 1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.5	STD	00000	00.52	33.95	27.23	00.000	1452.0							
04.5	OBS	00000	00.52	33.544	27.23		1452.0							
04.5	STD	00010	00.95	33.96	27.23	00.009	1452.3							
04.5	STD	00020	00.98	33.96	27.24	00.017	1452.6							
04.5	OBS	00022	00.98	33.965	27.24		1452.7							
04.5	STD	00030	00.98	33.96	27.24	00.025	1452.6							
04.5	OBS	00045	00.98	33.965	27.24		1453.0							
04.5	STD	00050	00.98	33.96	27.24	00.042	1453.1							
04.5	OBS	00068	00.97	33.965	27.24		1453.4							
04.5	STD	00075	00.57	33.97	27.24	00.063	1453.5							
04.5	OBS	00090	00.97	33.985	27.26		1453.8							
04.5	STD	00100	01.00	34.02	27.28	00.084	1454.1							
04.5	STD	00125	01.13	34.10	27.34	00.103	1455.2							
04.5	OBS	00136	01.21	34.137	27.36		1455.8							
04.5	STD	00150	01.36	34.17	27.38	00.121	1456.8							
04.5	OBS	T00185	01.76	34.268	27.43		1456.2							
04.5	STD	00200	02.03	34.34	27.48	00.155	1460.8							
04.5	STD	C0250	02.74	34.54	27.56	00.185	1465.0							
04.5	OBS	00273	02.98	34.602	27.55		1466.5							
04.5	STD	00300	03.14	34.65	27.61	00.212	1467.7							
04.5	OBS	T00359	03.38	34.723	27.65		1469.8							
04.5	STD	00400	03.41	34.76	27.67	00.260	1470.6							
04.5	OBS	00447	03.45	34.786	27.69		1471.6							
04.5	STD	00500	03.45	34.81	27.71	00.305	1472.7							
04.5	OBS	00532	03.50	34.821	27.72		1473.3							
04.5	STD	00600	03.50	34.83	27.72	00.349	1474.4							
04.5	STD	00700	03.49	34.84	27.73	00.392	1476.0							
04.5	OBS	T00701	03.49	34.834	27.73		1476.1							
04.5	STD	00800	03.39	34.84	27.74	00.435	1477.3							
04.5	OBS	T00677	03.34	34.841	27.75		1478.4							
04.5	OBS	T01322	03.37	34.855	27.76		1486.0							

TABLE 1. USCGC CHASE, February, 1977.—Continued

MDDC STATION DATA

REFID 31 0434 YEAR 1975 BOTDP 02926 AIR TEMP 02.5 DIR PGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1306
 CONSEC 0009 MONTH 02 SHIP E1 WET BULB 01.0 25 1 5 WIND-SPD 08 TRACE DIR 0 9 SQUARE 2
 LAT 44 29.04 DAY 10 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 0 2 SQUARE 46
 LONG 048 26.74 HOUR 06.3 AREA 05 CLOUD 7/A CL/TR WEATHER X1 ORIG A3 06305 1 SQUARE 48

CAS	TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	OXYG	PO4	TOT P	AD2	NO3	SIO3	PH
06.3	STD	00000	00.53	33.84	27.16	00.000	1450.1								
	OBS	00000	00.53	33.84	27.16		1450.1								
	STD	00010	01.01	33.87	27.16	00.009	1452.5								
	OBS	00010	01.01	33.87	27.16		1452.5								
	STD	00020	01.03	33.87	27.16	00.018	1452.7								
	OBS	00020	01.03	33.87	27.16		1452.7								
	STD	00030	01.03	33.87	27.16	00.028	1452.9								
	OBS	00030	01.03	33.87	27.16		1452.9								
	STD	00050	01.05	33.88	27.16	00.046	1453.3								
	OBS	00050	01.05	33.88	27.16		1453.3								
	STD	00075	00.95	33.91	27.19	00.068	1453.3								
	OBS	00075	00.95	33.91	27.19		1453.3								
	STD	00100	01.46	34.04	27.26	00.090	1456.2								
	OBS	00100	01.46	34.04	27.26		1456.2								
	STD	00125	01.93	34.21	27.37	00.109	1458.9								
	OBS	00125	01.93	34.21	27.37		1458.9								
	STD	00150	02.21	34.30	27.42	00.126	1460.7								
	OBS	00150	02.21	34.30	27.42		1460.7								
	STD	00200	02.58	34.44	27.50	00.156	1463.3								
	OBS	00200	02.58	34.44	27.50		1463.3								
	STD	00250	03.00	34.56	27.56	00.188	1466.1								
	OBS	00250	03.00	34.56	27.56		1466.1								
	STD	00300	04.63	34.86	27.64	00.214	1474.3								
	OBS	00300	04.63	34.86	27.64		1474.3								
	STD	00400	04.45	34.88	27.66	00.262	1475.2								
	OBS	00400	04.45	34.88	27.66		1475.2								
	STD	00480	04.38	34.89	27.68		1476.2								
	OBS	00500	04.09	34.85	27.68	00.310	1475.3								
	STD	00550	03.75	34.83	27.70		1475.3								
	OBS	00600	03.84	34.85	27.71	00.357	1475.9								
	STD	00648	03.90	34.86	27.71		1476.9								
	OBS	00685	03.68	34.84	27.72		1476.5								
	STD	00700	03.75	34.84	27.71	00.402	1477.1								
	OBS	00700	03.75	34.84	27.71		1477.1								
	STD	00800	03.69	34.84	27.71	00.446	1478.6								
	OBS	00800	03.69	34.84	27.71		1478.6								
	STD	00820	03.76	34.85	27.71		1479.2								
	OBS	00850	03.58	34.83	27.72		1478.9								
	STD	00860	03.86	34.89	27.73		1480.3								
	OBS	00900	03.85	34.88	27.72	00.495	1481.1								
	STD	00950	03.89	34.88	27.72		1481.1								
	OBS	01000	03.72	34.85	27.72	00.542	1482.0								
	STD	01020	03.70	34.86	27.73		1482.3								
	OBS	01050	03.85	34.88	27.73		1483.5								
	STD	01100	03.78	34.87	27.73	00.590	1484.0								
	OBS	01100	03.78	34.87	27.73		1484.0								
	STD	01200	03.76	34.86	27.74	00.631	1485.6								
	OBS	01200	03.76	34.86	27.74		1485.6								
	STD	01300	03.78	34.89	27.74	00.685	1487.4								
	OBS	01300	03.78	34.89	27.74		1487.4								
	STD	01400	03.77	34.90	27.75	00.733	1489.0								
	OBS	01400	03.77	34.90	27.75		1489.0								
	STD	01500	03.70	34.89	27.75	00.781	1490.4								
	OBS	01500	03.70	34.89	27.75		1490.4								

TABLE I. USCGC CHASE, February, 1977.—Continued

MODE STATION DATA														
RTFID 31 0434	YEAR 1975	BOTDP 03383	AIR TEMP 09.2	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEM SO 1306							
CONSEC 0306	MONTH 02	SHIP E1	WET BULB 08.2	14 3 5	WIND-SPD 20	TRACE DIR	5 SQUARE 2							
LA* 44 26.4N	DAY 10	DATA USE 1	BAROMETER 1008.5	SEA	WIND-FOR	DURATION	2 SQUARE 48							
LONG 048 09.5W	MOOR 08.8	AREA 05	CLOUD T/A	CL/TA	WEATHER X5	DR16 A3 06306	1 SQUARE 48							
CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYMDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
08.8	STD	00000	08.69	34.78	27.02	00.000	1485.3							
	OBS	00000	08.69	34.78	27.02		1485.3							
	STD	00010	08.66	34.78	27.02	00.011	1485.3							
	OBS	00010	08.66	34.78	27.02		1485.3							
	STD	00020	08.72	34.79	27.02	00.021	1485.7							
	OBS	00020	08.72	34.79	27.02		1485.7							
	STD	00030	08.73	34.80	27.02	00.032	1485.9							
	OBS	00030	08.73	34.80	27.02		1485.9							
	STD	00050	08.77	34.81	27.03	00.053	1486.4							
	OBS	00050	08.77	34.81	27.03		1486.4							
	STD	00075	08.77	34.81	27.03	00.076	1486.8							
	OBS	00075	08.77	34.81	27.03		1486.8							
	STD	00100	08.84	34.82	27.02	00.105	1487.5							
	OBS	00100	08.84	34.82	27.02		1487.5							
	STD	00125	09.03	34.89	27.05	00.132	1488.7							
	OBS	00125	09.03	34.89	27.05		1488.7							
	STD	00145	10.34	35.24	27.10		1494.3							
	OBS	00145	10.34	35.24	27.10		1494.3							
	STD	00150	09.68	35.16	27.10	00.158	1493.0							
	OBS	00150	09.68	35.16	27.10		1493.0							
	STD	00200	08.69	35.01	27.20	00.206	1488.8							
	OBS	00200	08.69	35.01	27.20		1488.8							
	STD	00230	08.94	34.80	27.29		1482.3							
	OBS	00230	08.94	34.80	27.29		1482.3							
	STD	00250	08.46	34.76	27.32	00.249	1480.7							
	OBS	00250	08.46	34.76	27.32		1480.7							
	STD	00260	08.36	34.75	27.33		1480.5							
	OBS	00260	08.36	34.75	27.33		1480.5							
	STD	00280	07.03	34.84	27.31		1483.6							
	OBS	00280	07.03	34.84	27.31		1483.6							
	STD	00300	05.73	34.80	27.45	00.286	1478.7							
	OBS	00300	05.73	34.80	27.45		1478.7							
	STD	00320	05.65	34.76	27.43		1478.6							
	OBS	00320	05.65	34.76	27.43		1478.6							
	STD	00340	05.99	34.90	27.50		1480.5							
	OBS	00340	05.99	34.90	27.50		1480.5							
	STD	00375	05.84	34.89	27.51		1480.5							
	OBS	00375	05.84	34.89	27.51		1480.5							
	STD	00400	08.01	34.96	27.54	00.350	1481.6							
	OBS	00400	08.01	34.96	27.54		1481.6							
	STD	00430	05.59	34.95	27.59		1480.4							
	OBS	00430	05.59	34.95	27.59		1480.4							
	STD	00460	05.25	34.94	27.58		1480.8							
	OBS	00460	05.25	34.94	27.58		1480.8							
	STD	00500	04.99	34.91	27.63	00.408	1479.1							
	OBS	00500	04.99	34.91	27.63		1479.1							
	STD	00530	04.99	34.93	27.64		1479.6							
	OBS	00530	04.99	34.93	27.64		1479.6							
	STD	00570	04.56	34.89	27.66		1478.4							
	OBS	00570	04.56	34.89	27.66		1478.4							
	STD	00600	04.65	34.92	27.67	00.455	1479.4							
	OBS	00600	04.65	34.92	27.67		1479.4							
	STD	00620	04.73	34.95	27.65		1480.1							
	OBS	00620	04.73	34.95	27.65		1480.1							
	STD	00650	04.64	34.94	27.69		1480.2							
	OBS	00650	04.64	34.94	27.69		1480.2							
	STD	00700	04.57	34.94	27.70	00.508	1480.7							
	OBS	00700	04.57	34.94	27.70		1480.7							
	STD	00720	04.47	34.93	27.70		1480.6							
	OBS	00720	04.47	34.93	27.70		1480.6							
	STD	00770	04.67	34.97	27.71		1482.3							
	OBS	00770	04.67	34.97	27.71		1482.3							
	STD	00800	04.53	34.96	27.72	00.556	1482.2							
	OBS	00800	04.53	34.96	27.72		1482.2							
	STD	00838	04.52	34.96	27.72		1482.8							
	OBS	00838	04.52	34.96	27.72		1482.8							
	STD	00845	04.40	34.95	27.72		1482.4							
	OBS	00845	04.40	34.95	27.72		1482.4							
	STD	00862	04.45	34.96	27.73		1482.5							
	OBS	00862	04.45	34.96	27.73		1482.5							
	STD	00870	04.32	34.94	27.73		1482.5							
	OBS	00870	04.32	34.94	27.73		1482.5							
	STD	00875	04.47	34.96	27.73		1483.2							
	OBS	00875	04.47	34.96	27.73		1483.2							
	STD	00900	04.47	34.96	27.73	00.603	1483.6							
	OBS	00900	04.47	34.96	27.73		1483.6							
	STD	01000	04.36	34.96	27.74	00.651	1484.5							
	OBS	01000	04.36	34.96	27.74		1484.5							
	STD	01100	04.21	34.94	27.74	00.698	1485.9							
	OBS	01100	04.21	34.94	27.74		1485.9							
	STD	01150	04.01	34.91	27.74		1485.8							
	OBS	01150	04.01	34.91	27.74		1485.8							
	STD	01170	04.08	34.93	27.74		1486.5							
	OBS	01170	04.08	34.93	27.74		1486.5							
	STD	01200	03.98	34.92	27.75	00.746	1486.6							
	OBS	01200	03.98	34.92	27.75		1486.6							
	STD	01300	03.82	34.90	27.75	00.793	1487.5							
	OBS	01300	03.82	34.90	27.75		1487.5							
	STD	01400	03.76	34.89	27.75	00.841	1488.9							
	OBS	01400	03.76	34.89	27.75		1488.9							
	STD	01500	03.78	34.91	27.76	00.890	1490.7							
	OBS	01500	03.78	34.91	27.76		1490.7							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID 31 8434	YEAR 1975	BOYDP 03603	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1304
CONSEC 0007	MONTH 02	SHIP E1	WET BULB 10.8	18 3 3	WIND-SPD 35	TRACE DIR 0	5 SQUARE 2
LAT 44 21 N	DAY 10	DATA USE 1	BARCHETR 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48 W	HOOR 13.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A3 06307	1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	OXYC	PO4	TOT P	NO2	NO3	S103	PH
13.0	STD	00000	11.31	35.38	27.03	00.000	1495.6							
	OBS	00000	11.31	35.38	27.03		1495.6							
	STD	00010	11.31	35.38	27.03	00.010	1495.7							
	OBS	00010	11.31	35.38	27.03		1495.7							
	STD	00020	11.32	35.38	27.03	00.021	1495.9							
	OBS	00020	11.32	35.38	27.03		1495.9							
	STD	00030	11.32	35.38	27.03	00.031	1496.1							
	OBS	00030	11.32	35.38	27.03		1496.1							
	STD	00050	11.32	35.38	27.03	00.052	1496.4							
	OBS	00050	11.32	35.38	27.03		1496.4							
	STD	00075	11.32	35.38	27.03	00.079	1496.8							
	OBS	00075	11.32	35.38	27.03		1496.8							
	STD	00100	11.33	35.38	27.03	00.105	1497.3							
	OBS	00100	11.33	35.38	27.03		1497.3							
	STD	00125	11.33	35.38	27.03	00.132	1497.7							
	OBS	00125	11.33	35.38	27.03		1497.7							
	STD	00150	11.33	35.38	27.03	00.159	1498.1							
	OBS	00150	11.33	35.38	27.03		1498.1							
	STD	00200	11.34	35.38	27.03	00.213	1498.9							
	OBS	00200	11.34	35.38	27.03		1498.9							
	STD	00250	11.34	35.37	27.02	00.268	1499.7							
	OBS	00250	11.34	35.37	27.02		1499.7							
	STD	00280	11.34	35.37	27.02		1500.2							
	OBS	00300	10.74	35.30	27.07	00.322	1498.4							
	STD	00300	10.74	35.30	27.07		1498.4							
	OBS	00400	08.17	35.04	27.30	00.418	1490.2							
	STD	00400	08.17	35.04	27.30		1490.2							
	OBS	00500	07.01	34.69	27.43	00.466	1487.3							
	STD	00500	07.01	34.69	27.43		1487.3							
	OBS	00600	06.22	34.98	27.53	00.568	1485.8							
	STD	00600	06.22	34.98	27.53		1485.8							
	OBS	00665	05.66	34.94	27.57		1484.6							
	STD	00700	05.66	34.97	27.59	00.631	1485.2							
	OBS	00700	05.66	34.97	27.59		1485.2							
	STD	00720	05.68	34.98	27.60		1485.6							
	OBS	00765	04.94	34.91	27.63		1483.3							
	STD	00790	05.05	34.62	27.63		1484.2							
	OBS	00800	05.00	34.65	27.66	00.687	1484.2							
	STD	00800	05.00	34.65	27.66		1484.2							
	OBS	00850	04.68	34.64	27.69		1483.7							
	STD	00900	04.56	34.93	27.69	00.740	1484.0							
	OBS	00900	04.56	34.93	27.69		1484.0							
	STD	00935	04.58	34.94	27.70		1484.7							
	OBS	00950	04.37	34.92	27.70		1484.0							
	STD	00967	04.36	34.62	27.71		1484.3							
	OBS	00970	04.27	34.61	27.71		1483.9							
	STD	01000	04.26	34.61	27.71	00.790	1484.4							
	OBS	01000	04.26	34.61	27.71		1484.4							
	STD	01100	04.14	34.90	27.71	00.840	1485.5							
	OBS	01100	04.14	34.90	27.71		1485.5							
	STD	01160	04.19	34.92	27.72		1486.8							
	OBS	01200	04.26	34.95	27.74	00.890	1487.9							
	STD	01200	04.26	34.95	27.74		1487.9							
	OBS	01240	04.19	34.94	27.74		1488.1							
	STD	01270	04.25	34.95	27.74		1488.9							
	OBS	01300	04.23	34.95	27.74	00.935	1489.3							
	STD	01300	04.23	34.95	27.74		1489.3							
	OBS	01400	04.06	34.93	27.75	00.988	1490.3							
	STD	01400	04.06	34.93	27.75		1490.3							
	OBS	01500	04.01	34.93	27.75	01.038	1491.7							
	STD	01500	04.01	34.93	27.75		1491.7							

TABLE I. USCGC CHASE, February, 1977.—Continued

MOOC STATION DATA

REFID 31 0434	YEAR 1975	BOTDP 03040	AIR TEMP 11.0	DIR MGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 02	SHIP E1	WET BULB 10.9	69 2 4	WIND-SPD 40	TRACE DIR 0	5 SQUARE 2
LAT 44 20 N	DAY 10	DATA USE 1	BAROMETR 0993.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 34 W	MOOR 16.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A3 06308	1 SQUARE 47

CASHTUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXVG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	STD	00000	11.49	35.37	26.99	00.000	1456.2							
	OBS	00000	11.49	35.37	26.99		1456.2							
	STD	00010	11.49	35.37	26.95	00.011	1456.3							
	OBS	00010	11.49	35.37	26.99		1456.3							
	STD	00020	11.49	35.37	26.99	00.022	1456.5							
	OBS	00020	11.49	35.37	26.99		1456.5							
	STD	00030	11.49	35.37	26.99	00.032	1456.7							
	OBS	00030	11.49	35.37	26.95		1456.7							
	STD	00050	11.49	35.37	26.99	00.054	1457.0							
	OBS	00050	11.49	35.37	26.99		1457.0							
	STD	00075	11.51	35.38	27.00	00.081	1457.5							
	OBS	00075	11.51	35.38	27.00		1457.5							
	STD	00100	11.50	35.38	27.00	00.105	1457.9							
	OBS	00100	11.50	35.38	27.00		1457.9							
	STD	00125	11.50	35.38	27.00	00.136	1458.3							
	OBS	00125	11.50	35.38	27.00		1458.3							
	STD	00150	11.51	35.39	27.00	00.164	1458.7							
	OBS	00150	11.51	35.39	27.00		1458.7							
	STD	00200	11.52	35.39	27.00	00.215	1459.6							
	OBS	00200	11.52	35.39	27.00		1459.6							
	STD	00210	11.55	35.41	27.01	00.275	1459.5							
	OBS	00250	11.54	35.41	27.01		1500.5							
	STD	00250	11.54	35.41	27.01		1500.5							
	OBS	00270	11.44	35.39	27.02		1500.4							
	STD	00280	11.08	35.34	27.04		1495.3							
	OBS	00300	10.43	35.31	27.14	00.328	1457.3							
	STD	00300	10.43	35.31	27.14		1457.3							
	OBS	00320	10.38	35.29	27.13		1457.4							
	STD	00400	08.83	35.10	27.24	00.424	1452.8							
	OBS	00400	08.83	35.10	27.24		1452.8							
	STD	00420	08.26	35.07	27.31		1450.9							
	OBS	00460	07.96	35.07	27.35		1450.4							
	STD	00500	07.35	35.05	27.43	00.507	1488.7							
	OBS	00500	07.35	35.05	27.43		1488.7							
	STD	00520	07.04	35.04	27.47		1487.8							
	OBS	00560	06.86	35.05	27.50		1487.8							
	STD	00600	06.07	35.01	27.57	00.575	1485.3							
	OBS	00600	06.07	35.01	27.57		1485.3							
	STD	00622	05.92	34.98	27.57		1485.0							
	OBS	00665	05.96	35.05	27.62		1485.9							
	STD	00700	05.19	34.96	27.64	00.633	1483.3							
	OBS	00700	05.19	34.96	27.64		1483.3							
	STD	00730	04.65	34.94	27.65		1482.8							
	OBS	00760	05.47	35.02	27.66		1485.5							
	STD	00780	04.78	34.97	27.70		1482.9							
	OBS	00800	04.74	34.97	27.70	00.684	1483.1							
	STD	00800	04.74	34.97	27.70		1483.1							
	OBS	00830	04.80	35.00	27.72		1483.9							
	STD	00900	04.69	35.01	27.74	00.732	1484.6							
	OBS	00900	04.69	35.01	27.74		1484.6							
	STD	00945	04.85	35.06	27.76		1486.1							
	OBS	00945	04.85	35.06	27.76		1486.1							
	STD	01000	04.69	35.05	27.77	00.778	1486.3							
	OBS	01000	04.69	35.05	27.77		1486.3							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA															
REFID 31 0434	YEAR 1975	BOTDP 04023	AIR TEMP 10.2	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SG 1306								
CONSEC 0005	MONTH 02	SHIP E1	WET BULB 09.3	21 5 5	WIND-SPD 25	TRACE DIR	9 SQUARE 2								
LAT 44 13 N	DAY 10	DATA USE 1	BAROMETR 0990.9	SEA	WIND-FOR	DURATION	2 SQUARE 46								
LONG 047 11 W	HOOR 19.6	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	CRIP A3 06309	1 SQUARE 47								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	QXVG	PO4	TGT	NO2	NO3	S103	PH	
19.6	STD	00000	10.48	35.17	27.02	00.000	1492.3								
	OBS	00000	10.48	35.17	27.02		1492.3								
	STD	00010	10.48	35.19	27.04	00.010	1492.5								
	OBS	00010	10.48	35.19	27.04		1492.5								
	STD	00020	10.49	35.19	27.03	00.021	1492.7								
	OBS	00020	10.49	35.19	27.03		1492.7								
	STD	00030	10.50	35.19	27.03	00.031	1492.9								
	OBS	00030	10.50	35.19	27.03		1492.9								
	STD	00050	10.51	35.19	27.03	00.052	1493.3								
	OBS	00050	10.51	35.19	27.03		1493.3								
	STD	00075	10.49	35.19	27.03	00.078	1493.6								
	OBS	00075	10.49	35.19	27.03		1493.6								
	STD	00100	10.50	35.19	27.03	00.105	1494.1								
	OBS	00100	10.50	35.19	27.03		1494.1								
	STD	00125	10.44	35.17	27.03	00.131	1494.2								
	OBS	00125	10.44	35.17	27.03		1494.2								
	STD	00150	10.46	35.19	27.04	00.158	1494.8								
	OBS	00150	10.46	35.19	27.04		1494.8								
	STD	00200	10.53	35.22	27.05	00.211	1495.9								
	OBS	00200	10.53	35.22	27.05		1495.9								
	STD	00225	10.35	35.26	27.11	00.262	1495.7								
	OBS	00225	09.81	35.20	27.16		1494.1								
	OBS	00250	09.81	35.20	27.16		1494.1								
	STD	00300	08.65	35.07	27.25	00.306	1490.4								
	OBS	00300	08.65	35.07	27.25		1490.4								
	STD	00355	06.56	34.84	27.32		1484.5								
	OBS	00355	06.56	34.84	27.32		1484.5								
	STD	00365	07.17	34.90	27.34		1485.6								
	OBS	00365	07.17	34.90	27.34		1485.6								
	STD	00385	05.13	34.65	27.40	00.390	1477.4								
	OBS	00385	05.61	34.73	27.41		1479.7								
	STD	00400	05.61	34.73	27.41		1479.7								
	OBS	00410	04.89	34.66	27.44		1476.9								
	OBS	00410	04.89	34.66	27.44		1476.9								
	STD	00440	05.15	34.73	27.47		1478.5								
	OBS	00440	05.15	34.73	27.47		1478.5								
	STD	00450	05.75	34.87	27.50		1481.3								
	OBS	00450	05.75	34.87	27.50		1481.3								
	STD	00500	04.41	34.76	27.57	00.455	1476.5								
	OBS	00500	04.41	34.76	27.57		1476.5								
	STD	00510	04.57	34.88	27.60		1479.1								
	OBS	00510	04.57	34.88	27.60		1479.1								
	STD	00540	04.71	34.85	27.61		1478.8								
	OBS	00540	05.15	34.65	27.64		1481.0								
	STD	00600	04.98	34.95	27.66	00.510	1480.8								
	OBS	00600	04.98	34.95	27.66		1480.8								
	STD	00700	04.90	34.96	27.68	00.561	1482.1								
	OBS	00700	04.90	34.96	27.68		1482.1								
	STD	00750	04.73	34.96	27.70		1482.2								
	OBS	00750	04.73	34.96	27.70		1482.2								
	STD	00780	04.90	35.00	27.71		1483.5								
	OBS	00780	04.90	35.00	27.71		1483.5								
	STD	00800	04.86	34.99	27.70	00.611	1483.6								
	OBS	00800	04.86	34.99	27.70		1483.6								
	STD	00840	04.77	34.95	27.72		1483.9								
	OBS	00840	04.77	34.95	27.72		1483.9								
	STD	00860	04.53	34.96	27.72		1483.2								
	OBS	00860	04.53	34.96	27.72		1483.2								
	STD	00900	04.48	34.94	27.71	00.660	1483.7								
	OBS	00900	04.48	34.94	27.71		1483.7								
	STD	01000	04.12	34.90	27.72	00.705	1483.8								
	OBS	01000	04.12	34.90	27.72		1483.8								
	STD	01100	04.01	34.90	27.73	00.758	1485.0								
	OBS	01100	04.01	34.90	27.73		1485.0								
	STD	01200	03.98	34.91	27.74	00.806	1486.5								
	OBS	01200	03.98	34.91	27.74		1486.5								
	STD	01220	03.95	34.90	27.73		1486.7								
	OBS	01220	03.95	34.90	27.73		1486.7								
	STD	01230	03.85	34.85	27.74		1486.5								
	OBS	01230	03.85	34.85	27.74		1486.5								
	STD	01300	03.84	34.89	27.74	00.854	1487.6								
	OBS	01300	03.84	34.89	27.74		1487.6								
	STD	01320	03.90	34.90	27.74		1488.2								
	OBS	01320	03.90	34.90	27.74		1488.2								
	STD	01390	03.80	34.89	27.74	00.903	1489.0								
	OBS	01390	03.80	34.89	27.74		1489.0								
	STD	01400	03.84	34.90	27.74		1489.3								
	OBS	01400	03.84	34.90	27.74		1489.3								
	STD	01410	03.89	34.91	27.75		1489.7								
	OBS	01410	03.89	34.91	27.75		1489.7								
	STD	01500	03.77	34.90	27.75	00.952	1490.7								
	OBS	01500	03.77	34.90	27.75		1490.7								

TABLE I. USCGC CHASE, February, 1977.—Continued

MOODC STATION DATA

REFID 31 0434	YEAR 1975	BOTOP 04206	AIR TEMP 04.5	DIR MGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 02	SHIP E1	NET BULB 01.5	31 2 5	WIND-SPD 40	TRACE DIR	5 SQUARE 2
LAT 44 07 N	DAY 10	DATA USE 1	BAROMETR 0998.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 30.5 W	HOOR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIS A3 06310	1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DXYG	PD4	TOT P	MD2	MD3	SIO3	PH
23.4	STD	00000	02.72	33.49	26.73	00.000	1459.3							
	OBS	00000	02.72	33.49	26.73		1459.3							
	STD	00010	02.73	33.49	26.73	00.013	1459.6							
	OBS	00010	02.73	33.49	26.73		1459.6							
	STD	00020	02.74	33.49	26.73	00.027	1459.8							
	OBS	00020	02.74	33.49	26.73		1459.8							
	STD	00030	02.75	33.49	26.73	00.040	1460.0							
	OBS	00030	02.75	33.49	26.73		1460.0							
	STD	00050	02.76	33.50	26.73	00.066	1460.4							
	OBS	00050	02.76	33.50	26.73		1460.4							
	STD	00075	06.18	34.34	27.03	00.096	1476.2							
	OBS	00075	06.18	34.34	27.03		1476.2							
	OBS	00085	05.95	34.39	27.10		1475.5							
	OBS	00090	06.13	34.47	27.14		1476.4							
	STD	00100	06.13	34.49	27.15	00.121	1476.6							
	OBS	00100	06.13	34.49	27.15		1476.6							
	STD	00125	06.63	34.58	27.16	00.144	1479.1							
	OBS	00125	06.63	34.58	27.16		1479.1							
	OBS	00138	06.12	34.62	27.26		1477.3							
	STD	00150	06.25	34.67	27.28	00.166	1478.1							
	OBS	00150	06.25	34.67	27.28		1478.1							
	OBS	00165	06.35	34.72	27.31		1478.8							
	OBS	00184	06.13	34.66	27.25		1478.2							
	STD	00200	04.45	34.50	27.36	00.205	1471.4							
	OBS	00200	04.45	34.50	27.36		1471.4							
	OBS	00208	04.13	34.47	27.37		1470.1							
	OBS	00223	05.79	34.76	27.41		1477.6							
	OBS	00239	05.05	34.67	27.42		1474.9							
	STD	00250	05.82	34.84	27.47	00.240	1478.3							
	OBS	00250	05.82	34.84	27.47		1478.3							
	OBS	00280	05.24	34.78	27.49		1476.3							
	STD	00300	04.39	34.68	27.51	00.272	1473.0							
	OBS	00300	04.39	34.68	27.51		1473.0							
	OBS	00318	03.36	34.64	27.59		1468.9							
	OBS	00348	05.73	34.56	27.58		1479.7							
	OBS	00380	05.05	34.91	27.62		1477.4							
	OBS	00389	05.21	34.56	27.64		1478.2							
	STD	00400	05.08	34.54	27.64	00.328	1477.8							
	OBS	00400	05.08	34.54	27.64		1477.8							
	OBS	00442	04.81	34.92	27.66		1477.4							
	OBS	00455	04.89	34.94	27.66		1478.0							
	OBS	00482	04.75	34.95	27.65		1477.9							
	STD	00500	04.79	34.55	27.68	00.378	1478.3							
	OBS	00500	04.79	34.55	27.68		1478.3							
	STD	00600	04.44	34.54	27.71	00.424	1478.5							
	OBS	00603	04.44	34.54	27.71		1478.5							
	OBS	00640	04.30	34.93	27.72		1476.6							
	STD	00700	04.29	34.54	27.73	00.470	1475.5							
	OBS	00700	04.29	34.54	27.73		1475.5							
	STD	00800	04.17	34.53	27.73	00.515	1480.7							
	OBS	00800	04.17	34.53	27.73		1480.7							
	OBS	00825	03.95	34.92	27.75		1480.2							
	OBS	00862	04.02	34.93	27.75		1481.1							

TABLE I. USCGC CHASE, February, 1977.—Continued

MOOC STATION DATA														
REFID 31 0434	YEAR 1975	BOTDP 04206	AIR TEMP 01.7	DIR FGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306							
CONSEC 0011	MONTH 02	SHIP E1	WET BULB 01.1	30 9 5	WIND-SPD 30	TRACE DIR	5 SQUARE 2							
LA* 43 58 N	DAY 11	DATA USE 1	BAROMETR 1004.4	SEA	WIND-FOR	DURATION	2 SQUARE 24							
LONG 045 48 W	MOOR 03.1	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG A3 06311	1 SQUARE 35							
CAST/WT/TYPE	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.1	STD	00000	06.27	34.32	27.00	00.000	1475.3							
	OBS	00000	06.27	34.32	27.00		1475.3							
	STD	00010	06.28	34.32	27.00	00.011	1475.5							
	OBS	00010	06.28	34.32	27.00		1475.5							
	STD	00020	06.30	34.33	27.01	00.021	1475.7							
	OBS	00020	06.30	34.33	27.01		1475.7							
	STD	00030	06.32	34.33	27.00	00.032	1476.0							
	OBS	00030	06.32	34.33	27.00		1476.0							
	STD	00050	06.30	34.33	27.01	00.053	1476.2							
	OBS	00050	06.30	34.33	27.01		1476.2							
	OBS	00060	06.40	34.41	27.03		1477.7							
	OBS	00065	06.44	34.39	27.04		1477.1							
	STD	00075	07.87	34.59	26.99	00.080	1483.1							
	OBS	00075	07.87	34.59	26.99		1483.1							
	OBS	00094	09.30	35.04	27.12		1489.4							
	STD	00100	09.24	35.05	27.14	00.106	1489.3							
	OBS	00100	09.24	35.05	27.14		1489.3							
	STD	00125	08.96	35.06	27.19	00.129	1488.7							
	OBS	00125	08.96	35.06	27.19		1488.7							
	OBS	00133	09.18	35.14	27.22		1489.8							
	STD	00150	08.58	35.05	27.24	00.151	1487.7							
	OBS	00150	08.58	35.05	27.24		1487.7							
	OBS	00158	08.34	35.04	27.27		1486.9							
	OBS	00165	08.61	35.09	27.27		1488.1							
	STD	00200	07.13	34.84	27.30	00.194	1482.6							
	OBS	00200	07.13	34.84	27.30		1482.6							
	OBS	00230	06.21	34.77	27.36		1479.4							
	STD	00250	06.56	34.90	27.42	00.232	1481.3							
	OBS	00250	06.56	34.90	27.42		1481.3							
	OBS	00258	06.29	34.85	27.42		1480.3							
	OBS	00264	06.47	34.93	27.46		1481.3							
	STD	00300	05.50	34.80	27.48	00.264	1477.7							
	OBS	00300	05.50	34.80	27.48		1477.7							
	OBS	00318	05.52	34.82	27.49		1478.1							
	OBS	00340	06.84	35.09	27.53		1484.1							
	STD	00400	06.32	35.06	27.58	00.327	1483.0							
	OBS	00400	06.32	35.06	27.58		1483.0							
	OBS	00450	06.01	35.07	27.63		1482.6							
	STD	00500	05.38	35.02	27.67	00.381	1480.8							
	OBS	00500	05.38	35.02	27.67		1480.8							
	OBS	00580	03.88	34.85	27.70		1475.7							
	STD	00600	03.78	34.84	27.70	00.425	1475.6							
	OBS	00600	03.78	34.84	27.70		1475.6							
	OBS	00625	03.66	34.86	27.73		1475.5							
	OBS	00658	04.11	34.93	27.74		1478.1							
	STD	00700	03.81	34.89	27.74	00.473	1477.5							
	OBS	00703	03.81	34.89	27.74		1477.5							
	STD	00800	03.81	34.91	27.76	00.516	1479.2							
	OBS	00800	03.81	34.91	27.76		1479.2							
	OBS	00860	03.96	34.95	27.77		1480.8							
	STD	00900	03.62	34.93	27.76	00.555	1481.3							
	OBS	00900	03.62	34.93	27.76		1481.3							
	OBS	00915	03.84	34.92	27.76		1481.2							
	OBS	00950	04.02	34.95	27.77		1482.6							
	STD	01000	04.02	34.96	27.77	00.602	1483.4							
	OBS	01000	04.02	34.96	27.77		1483.4							
	STD	01100	03.68	34.96	27.78	00.645	1484.5							
	OBS	01100	03.68	34.96	27.78		1484.5							
	STD	01200	03.90	34.96	27.79	00.689	1486.3							
	OBS	01200	03.90	34.96	27.79		1486.3							
	STD	01300	03.74	34.94	27.79	00.732	1487.3							
	OBS	01303	03.74	34.94	27.79		1487.3							
	STD	01400	03.67	34.93	27.79	00.776	1488.6							
	OBS	01400	03.67	34.93	27.79		1488.6							
	STD	01500	03.73	34.95	27.80	00.821	1490.6							
	OBS	01500	03.73	34.95	27.80		1490.6							

TABLE I. USCGC CHASE, February, 1977.- Continued

MOOC STATION DATA

REFID 31 0434	YEAR 1975	BOTOP 04572	AIR TEMP 01.1	DIA HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 02	SHIP E1	WET BULB 01.1	28 9 4	WIND-SPD 40	TRACE DIR 0	5 SQUARE 2
LAT 43 53.7N	DAY 11	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 045 12 W	MOOR 07.3	AREA 05	CLCUD T/A	CL/T/A	WEATHER X7	ORIG A3 04312	1 SQUARE 35

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SI03	PH
07.3	STD	00000	12.52	35.49	26.89	00.000	1499.5							
	OBS	00000	12.52	35.49	26.89		1499.9							
	STD	00010	12.50	35.49	26.89	00.012	1500.0							
	OBS	00010	12.50	35.49	26.89		1500.0							
	STD	00020	12.49	35.48	26.88	00.024	1500.1							
	OBS	00020	12.49	35.48	26.88		1500.1							
	STD	00030	12.39	35.46	26.89	00.035	1499.9							
	OBS	00030	12.39	35.46	26.89		1499.5							
	STD	00050	12.47	35.50	26.90	00.059	1500.5							
	OBS	00050	12.47	35.50	26.90		1500.5							
	STD	00075	12.80	35.57	26.89	00.088	1502.1							
	OBS	00075	12.80	35.57	26.89		1502.1							
	STD	00100	12.81	35.58	26.90	00.118	1502.6							
	OBS	00100	12.81	35.58	26.90		1502.6							
	STD	00125	13.00	35.64	26.91	00.148	1503.7							
	OBS	00125	13.00	35.64	26.91		1503.7							
	STD	00150	13.13	35.67	26.90	00.178	1504.6							
	OBS	00150	13.13	35.67	26.90		1504.6							
	STD	00200	13.31	35.72	26.90	00.238	1506.1							
	OBS	00200	13.31	35.72	26.90		1506.1							
	STD	00240	13.58	35.81	26.92	00.298	1507.7							
	OBS	00240	13.58	35.81	26.92		1507.7							
	STD	00250	13.38	35.79	26.94	00.353	1507.2							
	OBS	00250	13.38	35.79	26.94		1507.2							
	STD	00300	10.39	35.31	27.14		1497.1							
	OBS	00300	10.39	35.31	27.14		1497.1							
	STD	00348	09.47	35.17	27.19		1494.4							
	OBS	00348	09.47	35.17	27.19		1494.4							
	STD	00355	09.62	35.27	27.25		1495.2							
	OBS	00355	09.62	35.27	27.25		1495.2							
	STD	00360	09.49	35.24	27.24		1494.7							
	OBS	00360	09.49	35.24	27.24		1494.7							
	STD	00365	09.76	35.32	27.26		1495.9							
	OBS	00365	09.76	35.32	27.26		1495.9							
	STD	00400	08.98	35.21	27.31	00.44	1493.5							
	OBS	00400	08.98	35.21	27.31		1493.5							
	STD	00500	07.34	35.13	27.49	00.523	1488.8							
	OBS	00500	07.34	35.13	27.49		1488.8							
	STD	00600	06.28	35.12	27.63	00.585	1486.2							
	OBS	00600	06.28	35.12	27.63		1486.2							
	STD	00700	05.58	35.08	27.69	00.638	1485.0							
	OBS	00700	05.58	35.08	27.69		1485.0							
	STD	00800	04.88	35.02	27.73	00.687	1483.8							
	OBS	00800	04.88	35.02	27.73		1483.8							
	STD	00822	04.95	35.05	27.74		1484.5							
	OBS	00822	04.95	35.05	27.74		1484.5							
	STD	00845	04.73	35.02	27.74	00.733	1483.9							
	OBS	00845	04.73	35.02	27.74		1483.9							
	STD	00900	04.46	35.02	27.77		1483.7							
	OBS	00900	04.46	35.02	27.77		1483.7							
	STD	01000	04.15	34.95	27.75	00.777	1484.0							
	OBS	01000	04.15	34.95	27.75		1484.0							
	STD	01100	03.96	34.92	27.75	00.823	1484.8							
	OBS	01100	03.96	34.92	27.75		1484.8							
	STD	01200	03.86	34.91	27.75	00.865	1486.0							
	OBS	01200	03.86	34.91	27.75		1486.0							
	STD	01300	03.81	34.91	27.76	00.916	1487.5							
	OBS	01300	03.81	34.91	27.76		1487.5							
	STD	01400	03.78	34.91	27.76	00.963	1489.1							
	OBS	01400	03.78	34.91	27.76		1489.1							
	STD	01500	03.77	34.92	27.77	01.010	1490.7							
	OBS	01500	03.77	34.92	27.77		1490.7							

TABLE I. USCGC CHASE, February, 1977.—Continued

M O D C S T A T I O N D A T A

REFID 31 8435 YEAR 1975 BOTDP 00139 AIR TEMP -04.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
 CONSEC 0001 MONTH 02 SHIP E1 WET BULB -04.9 02 2 5 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
 LAT 46 57.2N DAY 12 DATA USE 1 BAROMETER 1007.8 SEA WIND-FOR DURATION 2 SQUARE 66
 LONG 048 00 W HOUR 08.0 AREA 05 CLOUD T/A CL/TR WEATHER X8 ORIG A2 06001 1 SQUARE 68

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
08.0	STD	00000	- 1.33	33.29	26.80	00.000	1440.7							
	OBS	00000	- 1.33	33.29	26.80		1440.7							
	STD	00010	- 1.33	33.29	26.80	00.013	1440.5							
	OBS	00010	- 1.33	33.29	26.80		1440.9							
	STD	00020	- 1.33	33.29	26.80	00.025	1441.1							
	OBS	00020	- 1.33	33.29	26.80		1441.1							
	STD	00030	- 1.33	33.29	26.80	00.038	1441.2							
	OBS	00030	- 1.33	33.29	26.80		1441.2							
	STD	00050	- 1.32	33.29	26.80	00.043	1441.6							
	OBS	00050	- 1.32	33.29	26.80		1441.6							
	STD	00075	- 1.26	33.31	26.81	00.094	1442.3							
	OBS	00075	- 1.26	33.31	26.81		1442.3							
	STD	00100	- 0.21	33.39	27.00	00.123	1448.0							
	OBS	00100	- 0.21	33.39	27.00		1448.0							
	STD	00125	00.96	34.22	27.44	00.144	1454.6							
	OBS	00125	00.96	34.22	27.44		1454.6							

REFID 31 8435 YEAR 1975 BOTDP 00170 AIR TEMP -02.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
 CONSEC 0002 MONTH 02 SHIP E1 WET BULB -04.5 26 3 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
 LAT 46 59 N DAY 12 DATA USE 1 BAROMETER 1006.8 SEA WIND-FOR DURATION 2 SQUARE 66
 LONG 047 41 W HOUR 09.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A2 06002 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.2	STD	00000	- 1.33	33.28	26.76	00.000	1440.7							
	OBS	00000	- 1.33	33.28	26.79		1440.7							
	STD	00010	- 1.33	33.28	26.79	00.013	1440.9							
	OBS	00010	- 1.33	33.28	26.79		1440.9							
	STD	00020	- 1.28	33.32	26.82	00.025	1441.3							
	OBS	00020	- 1.28	33.32	26.82		1441.3							
	STD	00030	- 1.17	33.36	26.85	00.037	1442.1							
	OBS	00030	- 1.17	33.36	26.85		1442.1							
	STD	00050	- 1.02	33.40	26.88	00.061	1443.2							
	OBS	00050	- 1.02	33.40	26.88		1443.2							
	STD	00075	- 0.89	33.44	26.92	00.090	1444.3							
	OBS	00075	- 0.89	33.44	26.92		1444.3							
	STD	00050	- 0.83	33.47	26.93		1444.8							
	OBS	00050	- 0.83	33.47	26.93		1444.8							
	STD	00100	- 0.57	33.56	26.99	00.118	1446.3							
	OBS	00100	- 0.57	33.56	26.99		1446.3							
	OBS	00110	- 0.16	33.75	27.13		1448.6							

REFID 31 8435 YEAR 1975 BOTDP 00216 AIR TEMP -02.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
 CONSEC 0003 MONTH 02 SHIP E1 WET BULB -04.5 08 3 5 WIND-SPD 07 TRACE DIR D 5 SQUARE 4
 LAT 47 00 N DAY 12 DATA USE 1 BAROMETER 1004.7 SEA WIND-FOR DURATION 2 SQUARE 66
 LONG 047 30 W HOUR 10.5 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG A2 06003 1 SQUARE 77

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.5	STD	00000	- 1.13	33.41	26.89	00.000	1441.8							
	OBS	00000	- 1.13	33.41	26.89		1441.8							
	STD	00010	- 1.13	33.41	26.89	00.012	1442.0							
	OBS	00010	- 1.13	33.41	26.89		1442.0							
	STD	00020	- 1.13	33.41	26.89	00.023	1442.2							
	OBS	00020	- 1.13	33.41	26.89		1442.2							
	STD	00030	- 1.13	33.41	26.89	00.035	1442.3							
	OBS	00030	- 1.13	33.41	26.89		1442.3							
	STD	00050	- 1.13	33.41	26.89	00.058	1442.7							
	OBS	00050	- 1.13	33.41	26.89		1442.7							
	STD	00075	- 1.06	33.46	26.93	00.087	1443.5							
	OBS	00075	- 1.06	33.46	26.93		1443.5							
	STD	00100	- 0.89	33.52	26.97	00.115	1444.8							
	OBS	00100	- 0.89	33.52	26.97		1444.8							
	STD	00109	- 0.58	33.63	27.05		1446.5							
	OBS	00109	- 0.58	33.63	27.05		1446.5							
	STD	00125	- 0.50	33.65	27.06	00.141	1447.2							
	OBS	00125	- 0.50	33.65	27.06		1447.2							
	STD	00150	- 0.05	33.78	27.15	00.165	1449.8							
	OBS	00150	- 0.05	33.78	27.15		1449.8							
	OBS	00162	00.72	33.99	27.27		1453.8							
	OBS	00178	00.99	34.12	27.36		1455.5							
	OBS	00190	01.01	34.11	27.35		1455.8							

TABLE I. USCGC CHASE, February, 1977.—Continued

MODEC STATION DATA

REFID 31 8435 YEAR 1975 BOTOP 00823 AIR TEMP -01.8 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SO 1306
 COMSEC 0004 MONTH 02 SHIP E1 WET BULB -02.6 18 3 4 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
 LAT 46 56.3N DAY 12 DATA USE 1 BAROMETER 1003.0 SEA WIND-FOR 05 DURATION 2 SQUARE 66
 LONG 047 15 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG A2 06004 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.5	STD	00000	00.29	33.97	27.28	00.000	1449.2							
	OBS	00000	00.29	33.97	27.28		1449.2							
	STD	00010	00.33	33.99	27.30	00.008	1449.6							
	OBS	00010	00.33	33.99	27.30		1449.6							
	STD	00020	00.43	34.02	27.31	00.016	1450.2							
	OBS	00020	00.43	34.02	27.31		1450.2							
	STD	00030	00.53	34.04	27.32	00.023	1450.6							
	OBS	00030	00.53	34.04	27.32		1450.6							
	STD	00050	00.58	34.05	27.33	00.035	1451.4							
	OBS	00050	00.58	34.05	27.33		1451.4							
	STD	00075	00.60	34.06	27.34	00.057	1452.0							
	OBS	00075	00.60	34.06	27.34		1452.0							
	STD	00100	00.64	34.07	27.34	00.076	1452.6							
	OBS	00100	00.64	34.07	27.34		1452.6							
	STD	00125	01.21	34.25	27.45	00.093	1455.8							
	OBS	00125	01.21	34.25	27.45		1455.8							
	STD	00140	01.34	34.31	27.48		1457.6							
	OBS	00140	01.34	34.31	27.48		1457.6							
	STD	00150	01.42	34.30	27.48	00.109	1457.2							
	OBS	00150	01.42	34.30	27.48		1457.2							
	STD	00155	01.31	34.29	27.48		1456.8							
	OBS	00155	01.31	34.29	27.48		1456.8							
	STD	00200	01.33	34.31	27.49	00.140	1457.6							
	OBS	00200	01.33	34.31	27.49		1457.6							
	STD	00250	02.91	34.60	27.60	00.168	1465.8							
	OBS	00250	02.91	34.60	27.60		1465.8							
	STD	00300	03.11	34.66	27.63	00.193	1467.6							
	OBS	00300	03.11	34.66	27.63		1467.6							
	STD	00400	03.54	34.80	27.70	00.240	1471.2							
	OBS	00400	03.54	34.80	27.70		1471.2							
	STD	00500	03.53	34.84	27.73	00.283	1472.9							
	OBS	00500	03.53	34.84	27.73		1472.9							
	STD	00600	03.52	34.86	27.75	00.325	1474.5							
	OBS	00600	03.52	34.86	27.75		1474.5							
	STD	00700	03.49	34.86	27.75	00.366	1476.1							
	OBS	00700	03.49	34.86	27.75		1476.1							
	STD	00780	03.42	34.87	27.76		1477.1							
	OBS	00780	03.42	34.87	27.76		1477.1							

REFID 31 8435 YEAR 1975 BOTOP 01225 AIR TEMP -01.9 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SO 1306
 COMSEC 0005 MONTH 02 SHIP E1 WET BULB -02.6 14 3 5 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
 LAT 47 00 N DAY 12 DATA USE 1 BAROMETER 1002.0 SEA WIND-FOR 05 DURATION 2 SQUARE 66
 LONG 047 02 W HOUR 13.3 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG A2 06005 1 SQUARE 77

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	STD	00000	01.61	34.31	27.47	00.000	1455.6							
	OBS	00000	01.61	34.31	27.47		1455.6							
	STD	00010	01.61	34.31	27.47	00.002	1455.8							
	OBS	00010	01.61	34.31	27.47		1455.8							
	STD	00020	01.61	34.31	27.47	00.012	1455.9							
	OBS	00020	01.61	34.31	27.47		1455.9							
	STD	00030	01.63	34.32	27.48	00.015	1456.2							
	OBS	00030	01.63	34.32	27.48		1456.2							
	STD	00050	01.67	34.33	27.48	00.031	1456.7							
	OBS	00050	01.67	34.33	27.48		1456.7							
	STD	00075	01.69	34.34	27.49	00.046	1457.2							
	OBS	00075	01.69	34.34	27.49		1457.2							
	STD	00100	01.73	34.35	27.49	00.061	1457.8							
	OBS	00100	01.73	34.35	27.49		1457.8							
	STD	00115	01.79	34.36	27.50		1458.4							
	OBS	00115	01.79	34.36	27.50		1458.4							
	STD	00125	02.84	34.65	27.64	00.075	1463.5							
	OBS	00125	02.84	34.65	27.64		1463.5							
	STD	00150	03.40	34.76	27.68	00.086	1466.5							
	OBS	00150	03.40	34.76	27.68		1466.5							
	STD	00200	03.50	34.80	27.70	00.107	1467.8							
	OBS	00200	03.50	34.80	27.70		1467.8							
	STD	00250	03.50	34.84	27.73	00.128	1468.6							
	OBS	00250	03.50	34.84	27.73		1468.6							
	STD	00300	03.50	34.85	27.74	00.148	1469.5							
	OBS	00300	03.50	34.85	27.74		1469.5							
	STD	00400	03.45	34.86	27.75	00.187	1470.9							
	OBS	00400	03.45	34.86	27.75		1470.9							
	STD	00500	03.38	34.86	27.76	00.225	1472.3							
	OBS	00500	03.38	34.86	27.76		1472.3							
	STD	00600	03.36	34.86	27.76	00.265	1473.9							
	OBS	00600	03.36	34.86	27.76		1473.9							
	STD	00700	03.37	34.86	27.76	00.305	1475.6							
	OBS	00700	03.37	34.86	27.76		1475.6							
	STD	00800	03.34	34.86	27.76	00.345	1477.1							
	OBS	00800	03.34	34.86	27.76		1477.1							
	STD	00900	03.35	34.86	27.76	00.387	1478.8							
	OBS	00900	03.35	34.86	27.76		1478.8							
	STD	01000	03.34	34.86	27.76	00.425	1480.4							
	OBS	01000	03.34	34.86	27.76		1480.4							
	STD	01100	03.34	34.86	27.76	00.472	1482.1							
	OBS	01100	03.34	34.86	27.76		1482.1							
	STD	01150	03.35	34.86	27.76		1483.0							
	OBS	01150	03.35	34.86	27.76		1483.0							

TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA															
REFID 31 8435	YEAR 1975	BUTDP 01061	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306								
CONSEC 0004	MONTH 02	SHIP E1	WET BULB -00.8	24 2 3	WIND-SPD 15	TRACE DIR	9 SQUARE 4								
LAT 47 00 N	DAY 12	DATA USE 1	BAROMETR 1001.7	SEA	WIND-FOR	DURATION	2 SQUARE 66								
LONG 044 50 W	HOUR 14.9	AREA 05	CLOUD T/A	CL/T/A	WEATHER	ORA 15 A2 04006	1 SQUARE 76								
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYMPTH	SNO VEL	QXVC	PO4	TOT P	MO2	MO3	SIO3	PH	
14.5	STD	00000	01.49	34.19	27.38	00.000	1454.6								
	OBS	00000	01.49	34.19	27.38		1454.9								
	STD	00010	01.66	34.25	27.42	00.007	1455.9								
	OBS	00010	01.66	34.25	27.42		1455.6								
	STD	00020	01.65	34.25	27.42	00.014	1456.0								
	OBS	00020	01.65	34.25	27.42		1456.0								
	STD	00030	01.65	34.25	27.42	00.020	1456.2								
	OBS	00030	01.65	34.25	27.42		1456.2								
	STD	00050	01.65	34.25	27.42	00.034	1456.5								
	OBS	00050	01.65	34.25	27.42		1456.5								
	STD	00075	01.66	34.25	27.42	00.051	1457.0								
	OBS	00075	01.66	34.25	27.42		1457.0								
	STD	00100	01.65	34.25	27.42	00.067	1457.3								
	OBS	00100	01.65	34.25	27.42		1457.3								
	STD	00125	01.72	34.29	27.45	00.084	1458.1								
	OBS	00125	01.72	34.29	27.45		1458.1								
	STD	00140	01.73	34.30	27.45		1458.4								
	OBS	00140	01.73	34.30	27.45		1458.4								
	STD	00150	02.00	34.38	27.50	00.096	1459.9								
	OBS	00150	02.00	34.38	27.50		1459.9								
	STD	00200	03.91	34.76	27.63	00.127	1466.4								
	OBS	00200	03.91	34.76	27.63		1466.4								
	STD	00210	04.20	34.84	27.66		1470.9								
	OBS	00210	04.20	34.84	27.66		1470.9								
	STD	00220	03.80	34.80	27.67		1469.4								
	OBS	00220	03.80	34.80	27.67		1469.4								
	STD	00250	03.90	34.85	27.70	00.150	1470.4								
	OBS	00250	03.90	34.85	27.70		1470.4								
	STD	00260	04.01	34.88	27.71		1471.5								
	OBS	00260	04.01	34.88	27.71		1471.5								
	STD	00300	04.00	34.88	27.71	00.171	1471.6								
	OBS	00300	04.00	34.88	27.71		1471.6								
	STD	00400	03.93	34.91	27.74	00.212	1473.0								
	OBS	00400	03.93	34.91	27.74		1473.0								
	STD	00500	03.80	34.90	27.75	00.253	1474.1								
	OBS	00500	03.80	34.90	27.75		1474.1								
	STD	00600	03.73	34.90	27.76	00.293	1475.5								
	OBS	00600	03.73	34.90	27.76		1475.5								
	STD	00700	03.68	34.90	27.76	00.334	1476.6								
	OBS	00700	03.68	34.90	27.76		1476.6								
	STD	00800	03.64	34.90	27.77	00.375	1478.4								
	OBS	00800	03.64	34.90	27.77		1478.4								
	STD	00900	03.61	34.89	27.76	00.417	1480.0								
	OBS	00900	03.61	34.89	27.76		1480.0								
	STD	01000	03.56	34.89	27.76	00.459	1481.5								
	OBS	01000	03.56	34.89	27.76		1481.5								

TABLE I. USCGC CHASE, February, 1977.—Continued

NCDC STATION DATA

REFID 31 8435 YEAR 1975 BOTOP 00466 AIR TEMP -03.0 DIR HGT PER WIND-DIR 31 INST STO RECORDER TEN SQ 1306
 CONSEC 0007 MONTH 02 SHIP E1 WET BULB -03.6 32 3 6 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
 LAT 46 56 N DAY 12 DATA USE 1 BAROMETR 1001.7 SEA CL/TR WIND-FOR WEATHER XT DURATIONA 2 SQUARE 66
 LONG 046 38.34 HOUR 16.6 AREA 05 CLUD T/A ORIG A2 06007 1 SQUARE 66

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.6	STD	00000	01.90	33.77	27.02	00.000	1456.1							
	OBS	00000	01.90	33.77	27.02		1456.1							
	STD	00010	01.89	33.78	27.03	00.010	1456.3							
	OBS	00010	01.89	33.78	27.03		1456.3							
	STD	00020	01.89	33.78	27.03	00.021	1456.4							
	OBS	00020	01.89	33.78	27.03		1456.4							
	STD	00030	01.91	33.78	27.02	00.031	1456.7							
	OBS	00030	01.91	33.78	27.02		1456.7							
	STD	00050	01.91	33.79	27.03	00.052	1457.0							
	OBS	00050	01.91	33.79	27.03		1457.0							
	STD	00065	01.92	33.80	27.04		1457.3							
	OBS	00065	01.92	33.80	27.04		1457.3							
	STD	00075	02.19	33.87	27.07	00.078	1458.8							
	OBS	00075	02.19	33.87	27.07		1458.8							
	STD	00093	03.89	34.55	27.46		1467.3							
	OBS	00093	03.89	34.55	27.46		1467.3							
	STD	00100	03.81	34.59	27.50	00.096	1467.2							
	OBS	00100	03.81	34.59	27.50		1467.2							
	STD	00108	04.02	34.61	27.50		1468.2							
	OBS	00108	04.02	34.61	27.50		1468.2							
	STD	00125	04.02	34.64	27.52	00.113	1468.5							
	OBS	00125	04.02	34.64	27.52		1468.5							
	STD	00130	04.04	34.64	27.52		1468.7							
	OBS	00130	04.04	34.64	27.52		1468.7							
	STD	00138	04.25	34.70	27.54		1469.0							
	OBS	00138	04.25	34.70	27.54		1469.0							
	STD	00143	04.05	34.70	27.56		1470.3							
	OBS	00143	04.05	34.70	27.56		1470.3							
	STD	00150	04.33	34.73	27.56	00.127	1470.3							
	OBS	00150	04.33	34.73	27.56		1470.3							
	STD	00180	04.30	34.75	27.58		1470.7							
	OBS	00180	04.30	34.75	27.58		1470.7							
	STD	00185	04.19	34.74	27.58		1470.4							
	OBS	00185	04.19	34.74	27.58		1470.4							
	STD	00192	04.44	34.84	27.63		1471.6							
	OBS	00192	04.44	34.84	27.63		1471.6							
	STD	00200	04.00	34.76	27.62	00.153	1469.8							
	OBS	00200	04.00	34.76	27.62		1469.8							
	STD	00203	04.00	34.76	27.62		1469.8							
	OBS	00203	04.00	34.76	27.62		1469.8							
	STD	00222	03.76	34.76	27.64		1469.2							
	OBS	00222	03.76	34.76	27.64		1469.2							
	STD	00250	04.05	34.84	27.68	00.177	1471.0							
	OBS	00250	04.05	34.84	27.68		1471.0							
	STD	00250	04.05	34.84	27.68		1471.0							
	OBS	00250	04.05	34.84	27.68		1471.0							
	STD	00300	04.20	34.89	27.70	00.199	1472.5							
	OBS	00300	04.20	34.89	27.70		1472.5							
	STD	00350	04.04	34.91	27.73		1472.7							
	OBS	00350	04.04	34.91	27.73		1472.7							
	STD	00355	03.92	34.91	27.74		1472.2							
	OBS	00355	03.92	34.91	27.74		1472.2							
	STD	00370	03.86	34.91	27.75		1472.2							
	OBS	00370	03.86	34.91	27.75		1472.2							
	STD	00400	03.85	34.91	27.75	00.241	1472.7							
	OBS	00400	03.85	34.91	27.75		1472.7							
	STD	00425	03.84	34.91	27.75		1473.1							
	OBS	00425	03.84	34.91	27.75		1473.1							

REFID 31 8435 YEAR 1975 BOTOP 00318 AIR TEMP -02.9 DIR HGT PER WIND-DIR 33 INST STO RECORDER TEN SQ 1306
 CONSEC 0008 MONTH 02 SHIP E1 WET BULB -03.5 30 3 6 WIND-SPD 30 TRACE DIR D 5 SQUARE 4
 LAT 46 56 N DAY 12 DATA USE 1 BAROMETR 1004.4 SEA CL/TR WIND-FOR WEATHER X1 DURATIONA 2 SQUARE 66
 LONG 046 22.54 HOUR 16.3 AREA 05 CLOUD T/A ORIG A2 06008 1 SQUARE 66

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.3	STD	00000	02.15	33.73	26.97	00.000	1457.2							
	OBS	00000	02.15	33.73	26.97		1457.2							
	STD	00010	02.15	33.74	26.97	00.011	1457.4							
	OBS	00010	02.15	33.74	26.97		1457.4							
	STD	00020	02.16	33.74	26.97	00.022	1457.6							
	OBS	00020	02.16	33.74	26.97		1457.6							
	STD	00030	02.16	33.74	26.97	00.033	1457.7							
	OBS	00030	02.16	33.74	26.97		1457.7							
	STD	00050	02.17	33.74	26.97	00.055	1458.1							
	OBS	00050	02.17	33.74	26.97		1458.1							
	STD	00075	02.18	33.75	26.98	00.082	1458.6							
	OBS	00075	02.18	33.75	26.98		1458.6							
	STD	00085	02.20	33.75	26.98		1458.8							
	OBS	00085	02.20	33.75	26.98		1458.8							
	STD	00100	03.34	34.46	27.44	00.104	1465.0							
	OBS	00100	03.34	34.46	27.44		1465.0							
	STD	00120	03.49	34.56	27.51		1466.1							
	OBS	00120	03.49	34.56	27.51		1466.1							
	STD	00125	03.76	34.60	27.51	00.119	1467.4							
	OBS	00125	03.76	34.60	27.51		1467.4							
	STD	00150	04.09	34.69	27.55	00.134	1469.3							
	OBS	00150	04.09	34.69	27.55		1469.3							
	STD	00160	04.24	34.73	27.57		1470.1							
	OBS	00160	04.24	34.73	27.57		1470.1							
	STD	00190	03.95	34.74	27.61		1469.4							
	OBS	00190	03.95	34.74	27.61		1469.4							
	STD	00200	04.02	34.78	27.63	00.160	1469.9							
	OBS	00200	04.02	34.78	27.63		1469.9							
	STD	00205	03.76	34.84	27.70		1469.1							
	OBS	00205	03.76	34.84	27.70		1469.1							
	STD	00220	04.19	34.88	27.69		1471.1							
	OBS	00220	04.19	34.88	27.69		1471.1							
	STD	00250	04.19	34.91	27.72	00.183	1471.7							
	OBS	00250	04.19	34.91	27.72		1471.7							
	STD	00265	04.05	34.93	27.75		1471.3							
	OBS	00265	04.05	34.93	27.75		1471.3							
	STD	00290	04.06	34.93	27.75		1471.8							
	OBS	00290	04.06	34.93	27.75		1471.8							

TABLE I. USCGC CHASE, February, 1977.—Continued

MOOC STATION DATA

PSFID 31 8435 YEAR 1975 BOTOP 00292 AIR TEMP -04.7 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
 CONSEC 0009 MONTH 02 SHIP E1 MET BULB -05.1 33 4 5 WIND-SPD 15 TRACE DIR D 5 SQUARE 4
 LAT 46 58 N DAY 12 DATA USE 1 BAROMETR 1005.8 SEA WIND-FOR DURATION 2 SQUARE 64
 LONG 045 52.0n HOUR 20.4 AREA 05 CLCUD T/A CL/TR WEATHER X8 ORIG A2 06009 1 SQUARE 65

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
20.4	STD	00000	02.08	33.79	27.02	00.000	1457.0							
	OBS	00000	02.08	33.75	27.02		1457.0							
	STD	00010	02.11	33.80	27.02	00.010	1457.3							
	OBS	00010	02.11	33.80	27.02		1457.3							
	STD	00020	02.10	33.80	27.03	00.021	1457.4							
	OBS	00020	02.10	33.80	27.03		1457.4							
	STD	00030	02.10	33.80	27.03	00.031	1457.6							
	OBS	00030	02.10	33.80	27.03		1457.6							
	STD	00050	02.11	33.81	27.03	00.052	1457.4							
	OBS	00050	02.11	33.81	27.03		1457.4							
	STD	00075	02.14	33.81	27.03	00.078	1458.5							
	OBS	00075	02.14	33.81	27.03		1458.5							
	STD	00100	02.04	34.44	27.47	00.099	1462.8							
	OBS	00100	02.04	34.44	27.47		1462.8							
	STD	00125	03.59	34.65	27.57	00.113	1466.7							
	OBS	00125	03.59	34.65	27.57		1466.7							
	STD	00150	03.85	34.78	27.64	00.126	1468.6							
	OBS	00150	03.85	34.78	27.64		1468.6							
	OBS	00155	04.04	34.80	27.64		1469.3							
	OBS	00175	04.05	34.83	27.67		1469.7							
	OBS	00180	04.00	34.84	27.68		1469.6							
	OBS	00195	04.01	34.86	27.70		1469.9							
	STD	00200	04.16	34.88	27.70	00.145	1470.7							
	OBS	00200	04.16	34.88	27.70		1470.7							
	OBS	00205	04.06	34.89	27.71		1470.3							
	STD	00250	04.02	34.92	27.74	00.169	1471.0							
	OBS	00250	04.02	34.92	27.74		1471.0							
	OBS	00255	04.02	34.92	27.74		1471.0							

REFID 31 8435 YEAR 1975 BOTOP 00292 AIR TEMP -04.2 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
 CONSEC 0010 MONTH 02 SHIP E1 MET BULB -05.3 33 4 5 WIND-SPD 22 TRACE DIR D 5 SQUARE 4
 LAT 47 20 N DAY 12 DATA USE 1 BAROMETR 1007.1 SEA WIND-FOR DURATION 2 SQUARE 64
 LONG 045 45 n HOUR 22.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A2 06010 1 SQUARE 75

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
22.6	STD	00000	01.86	33.63	26.91	00.000	1455.8							
	OBS	00000	01.86	33.63	26.91		1455.8							
	STD	00010	01.86	33.63	26.91	00.012	1455.6							
	OBS	00010	01.86	33.63	26.91		1455.6							
	STD	00020	01.86	33.63	26.91	00.023	1456.1							
	OBS	00020	01.86	33.63	26.91		1456.1							
	STD	00030	01.87	33.63	26.91	00.035	1456.3							
	OBS	00030	01.87	33.63	26.91		1456.3							
	STD	00050	01.87	33.63	26.91	00.058	1456.6							
	OBS	00050	01.87	33.63	26.91		1456.6							
	STD	00075	01.88	33.63	26.91	00.087	1457.1							
	OBS	00075	01.88	33.63	26.91		1457.1							
	OBS	00085	01.89	33.64	26.91		1457.3							
	STD	00100	02.38	33.90	27.08	00.114	1460.1							
	OBS	00100	02.38	33.90	27.08		1460.1							
	OBS	00105	02.94	34.41	27.44		1463.3							
	OBS	00110	03.39	34.48	27.46		1465.4							
	STD	00125	03.47	34.51	27.47	00.134	1466.0							
	OBS	00125	03.47	34.51	27.47		1466.0							
	OBS	00133	03.52	34.57	27.51		1466.4							
	OBS	00136	03.77	34.65	27.55		1467.7							
	STD	00150	03.78	34.65	27.55	00.145	1467.9							
	OBS	00150	03.78	34.65	27.55		1467.9							
	OBS	00157	03.79	34.67	27.57		1468.1							
	STD	00200	03.91	34.70	27.58	00.176	1469.4							
	OBS	00200	03.91	34.70	27.58		1469.4							
	STD	00250	03.97	34.73	27.60	00.203	1470.5							
	OBS	00250	03.97	34.73	27.60		1470.5							

TABLE 1. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID 31 8435 YEAR 1975 BOTDP 00301 AIR TEMP -02.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN 50 1306
 CONSEC 0011 MONTH 02 SHIP E1 MET BULB -04.5 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
 LAT 47 40 N DAY 13 DATA USE 1 SEA WIND-FOR DURATION 2 SQUARE 4
 LONG 045 49 W HOUR 00.7 AREA 05 CLCUD T/A CL/TX WEATHER X1 DRIG A2 06011 1 SQUARE 75

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.7	STD	00000	01.86	33.65	26.92	00.000	1455.8							
	OBS	00000	01.86	33.65	26.92		1455.8							
	STD	00010	01.86	33.65	26.92	00.011	1456.0							
	OBS	00010	01.86	33.65	26.92		1456.0							
	STD	00020	01.86	33.65	26.92	00.023	1456.1							
	OBS	00020	01.86	33.65	26.92		1456.1							
	STD	00030	01.86	33.65	26.92	00.034	1456.3							
	OBS	00030	01.86	33.65	26.92		1456.3							
	STD	00050	01.88	33.65	26.92	00.057	1456.7							
	OBS	00050	01.88	33.65	26.92		1456.7							
	STD	00075	01.89	33.66	26.93	00.086	1457.2							
	OBS	00075	01.89	33.66	26.93		1457.2							
	STD	00100	01.90	33.66	26.93	00.114	1457.6							
	OBS	00100	01.90	33.66	26.93		1457.6							
	STD	00110	02.54	34.07	27.21		1461.2							
	OBS	00125	03.31	34.45	27.44	00.136	1465.2							
	OBS	00125	03.31	34.45	27.44		1465.2							
	OBS	00130	03.34	34.47	27.45		1465.5							
	OBS	00138	03.28	34.49	27.47		1465.4							
	STD	00150	03.52	34.56	27.51	00.152	1466.7							
	OBS	00150	03.52	34.56	27.51		1466.7							
	OBS	00170	03.84	34.65	27.55		1468.5							
	OBS	00195	04.03	34.74	27.61		1469.6							
	STD	00200	04.00	34.77	27.62	00.180	1469.8							
	OBS	00200	04.00	34.77	27.62		1469.8							
	STD	00250	04.04	34.79	27.64	00.204	1470.9							
	OBS	00250	04.04	34.79	27.64		1470.9							
	OBS	00255	04.05	34.79	27.64		1471.0							

REFID 31 8435 YEAR 1975 BOTDP 00429 AIR TEMP -05.5 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN 50 1306
 CONSEC 0012 MONTH 02 SHIP E1 MET BULB -05.5 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
 LAT 48 05.7N DAY 13 DATA USE 1 SEA WIND-FOR DURATION 2 SQUARE 4
 LONG 045 50.3W HOUR 04.3 AREA 05 CLCUD T/A CL/TX WEATHER X2 DRIG A2 06012 1 SQUARE 65

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SI03	PH
04.3	STD	00000	01.54	33.80	27.07	00.000	1454.6							
	OBS	00000	01.54	33.80	27.07		1454.6							
	STD	00010	01.55	33.80	27.07	00.010	1454.8							
	OBS	00010	01.55	33.80	27.07		1454.8							
	STD	00020	01.57	33.81	27.07	00.020	1455.1							
	OBS	00020	01.57	33.81	27.07		1455.1							
	STD	00030	01.64	33.89	27.13	00.030	1455.6							
	OBS	00030	01.64	33.89	27.13		1455.6							
	STD	00050	01.78	34.03	27.23	00.048	1456.8							
	OBS	00050	01.78	34.03	27.23		1456.8							
	OBS	00065	02.34	34.24	27.36		1459.8							
	STD	00075	02.84	34.46	27.49	00.066	1462.4							
	OBS	00075	02.84	34.46	27.49		1462.4							
	STD	00100	03.41	34.60	27.53	00.081	1466.3							
	OBS	00100	03.41	34.60	27.53		1466.3							
	OBS	00105	03.79	34.67	27.57		1467.3							
	STD	00125	03.57	34.70	27.61	00.094	1466.7							
	OBS	00125	03.57	34.70	27.61		1466.7							
	STD	00150	03.94	34.77	27.63	00.106	1468.8							
	OBS	00150	03.94	34.77	27.63		1468.8							
	STD	00200	04.01	34.84	27.68	00.129	1470.0							
	OBS	00200	04.01	34.84	27.68		1470.0							
	OBS	00220	03.96	34.84	27.68		1470.1							
	STD	00250	04.14	34.89	27.71	00.151	1471.4							
	OBS	00250	04.14	34.89	27.71		1471.4							
	STD	00300	04.05	34.91	27.73	00.172	1471.9							
	OBS	00300	04.05	34.91	27.73		1471.9							
	STD	00400	03.81	34.91	27.76	00.211	1472.5							
	OBS	00400	03.81	34.91	27.76		1472.5							

TABLE I. USCGC CHASE, February, 1977.—Continued

MODE STATION DATA														
REFID 31 0435	YEAR 1975	BOTOP 00713	AIR TEMP -05.5	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306							
CONSEC 0013	MONTH 02	SHIP E1	WET BULB -05.5	24 2 5	WIND-SPD 20	TRACE DIR	5 SQUARE 4							
LAT 48 20.54	DAY 13	DATA USE 1	BAROMETR 1006.4	SEA	WIND-FOR	DURATION	2 SQUARE 84							
LONG 045 49.04	HOUR 06.1	AREA 05	CLCUD T/A	CL/TR	WEATHER XT	ORIG A2 06013	1 SQUARE 85							
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	STD	00000	01.78	33.96	27.18	00.000	1455.9							
	OBS	00000	01.78	33.96	27.18		1455.9							
	STD	00010	01.79	33.96	27.18	00.009	1456.1							
	OBS	00010	01.79	33.96	27.18		1456.1							
	STD	00020	01.82	33.99	27.20	00.018	1456.4							
	OBS	00020	01.82	33.99	27.20		1456.4							
	STD	00030	01.82	34.00	27.21	00.027	1456.6							
	OBS	00030	01.82	34.00	27.21		1456.6							
	STD	00050	01.92	34.05	27.24	00.044	1457.4							
	OBS	00050	01.92	34.05	27.24		1457.4							
	STD	00075	02.07	34.10	27.27	00.065	1458.6							
	OBS	00075	02.07	34.10	27.27		1458.6							
	STD	00100	02.81	34.42	27.46	00.083	1462.6							
	OBS	00100	02.81	34.42	27.46		1462.6							
	STD	00125	03.40	34.71	27.64	00.097	1466.0							
	OBS	00125	03.40	34.71	27.64		1466.0							
	STD	00150	03.58	34.77	27.67	00.108	1467.2							
	OBS	00150	03.58	34.77	27.67		1467.2							
	OBS	00175	03.61	34.81	27.70		1467.8							
	STD	00200	03.85	34.88	27.73	00.125	1469.4							
	OBS	00200	03.85	34.88	27.73		1469.4							
	OBS	00215	03.93	34.89	27.73		1470.0							
	STD	00250	03.86	34.90	27.74	00.149	1470.3							
	OBS	00250	03.86	34.90	27.74		1470.3							
	STD	00300	03.75	34.90	27.75	00.168	1470.6							
	OBS	00300	03.75	34.90	27.75		1470.6							
	OBS	00345	03.84	34.92	27.76		1471.8							
	STD	00400	03.78	34.92	27.77	00.206	1472.4							
	OBS	00400	03.78	34.92	27.77		1472.4							
	OBS	00410	03.69	34.91	27.77		1472.2							
	OBS	00435	03.70	34.92	27.78		1472.7							
	OBS	00455	03.56	34.90	27.77		1472.4							
	STD	00500	03.54	34.89	27.77	00.244	1473.0							
	OBS	00500	03.54	34.89	27.77		1473.0							
	OBS	00550	03.56	34.90	27.77		1473.9							
	STD	00600	03.47	34.85	27.77	00.282	1474.4							
	OBS	00600	03.47	34.85	27.77		1474.4							

REFID 31 0435	YEAR 1975	BOTOP 01061	AIR TEMP -00.2	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306							
CONSEC 0014	MONTH 02	SHIP E1	WET BULB -00.6	19 1 3	WIND-SPD 15	TRACE DIR	5 SQUARE 4							
LAT 48 35.64	DAY 13	DATA USE 1	BAROMETR 1004.7	SEA	WIND-FOR	DURATION	2 SQUARE 84							
LONG 045 49.04	HOUR 09.2	AREA 05	CLCUD T/A	CL/TR	WEATHER XT	ORIG A2 06014	1 SQUARE 85							
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.2	STD	00000	02.10	34.38	27.49	00.000	1457.9							
	OBS	00000	02.10	34.38	27.49		1457.9							
	STD	00010	02.11	34.39	27.50	00.006	1458.1							
	OBS	00010	02.11	34.39	27.50		1458.1							
	STD	00020	02.12	34.39	27.50	00.012	1458.3							
	OBS	00020	02.12	34.39	27.50		1458.3							
	STD	00030	02.12	34.39	27.50	00.018	1458.5							
	OBS	00030	02.12	34.39	27.50		1458.5							
	STD	00050	02.12	34.39	27.50	00.030	1458.8							
	OBS	00050	02.12	34.39	27.50		1458.8							
	STD	00075	02.14	34.40	27.50	00.045	1459.3							
	OBS	00075	02.14	34.40	27.50		1459.3							
	STD	00100	02.17	34.40	27.50	00.060	1459.8							
	OBS	00100	02.17	34.40	27.50		1459.8							
	STD	00125	02.19	34.42	27.51	00.075	1460.4							
	OBS	00125	02.19	34.42	27.51		1460.4							
	STD	00150	02.50	34.56	27.60	00.088	1462.3							
	OBS	00150	02.50	34.56	27.60		1462.3							
	STD	00200	03.86	34.88	27.73	00.111	1469.4							
	OBS	00200	03.86	34.88	27.73		1469.4							
	OBS	00225	03.55	34.85	27.73		1468.5							
	OBS	00240	03.79	34.89	27.74		1469.8							
	STD	00250	03.75	34.88	27.74	00.131	1469.8							
	OBS	00250	03.75	34.88	27.74		1469.8							
	OBS	00265	03.53	34.85	27.77		1469.1							
	STD	00300	03.54	34.90	27.78	00.145	1469.7							
	OBS	00300	03.54	34.90	27.78		1469.7							
	STD	00400	03.47	34.85	27.77	00.186	1471.1							
	OBS	00400	03.47	34.89	27.77		1471.1							
	STD	00500	03.37	34.89	27.78	00.222	1472.3							
	OBS	00500	03.37	34.85	27.78		1472.3							
	STD	00600	03.34	34.89	27.79	00.259	1473.8							
	OBS	00600	03.34	34.89	27.79		1473.8							
	STD	00700	03.35	34.85	27.79	00.297	1475.5							
	OBS	00700	03.35	34.89	27.79		1475.5							
	STD	00800	03.34	34.90	27.79	00.335	1477.2							
	OBS	00800	03.34	34.90	27.79		1477.2							
	STD	00900	03.34	34.89	27.79	00.373	1478.8							
	OBS	00900	03.34	34.89	27.79		1478.8							
	STD	01000	03.34	34.89	27.79	00.413	1480.5							
	OBS	01000	03.34	34.89	27.79		1480.5							
	OBS	01020	03.34	34.89	27.79		1480.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.

NODC STATION DATA

REFID 31 0494	YEAR 1975	BOTDP 02042	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SO 1306
CONSEC 0001	MONTH 04	SHIP EV	WET BULB 13.1	19 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 2
LAT 41 00 N	DAY 08	DATA USE 1	BAROMETR 1010.5	SEA	WIND-PDR	DURATION 00.3	2 SQUARE 08
LONG 048 31 W	HOUR 17.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DR16 011 660 14	1 SQUARE 18

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.0	STD	00000	13.15	35.58	26.82	00.000	1502.2							
	OBS	00003	13.16	35.58	26.82		1502.3							
	STD	00010	13.10	35.61	26.86	00.012	1502.1							
	OBS	00011	13.08	35.61	26.87		1502.1							
	STD	00020	12.84	35.59	26.88	00.024	1501.7							
	OBS	00020	12.83	35.59	26.88		1501.7							
	STD	00030	12.82	35.60	26.91	00.036	1501.5							
	OBS	00030	12.81	35.60	26.91		1501.5							
	STD	00050	12.59	35.56	26.92	00.059	1501.0							
	OBS	00051	12.56	35.55	26.92		1500.9							
	OBS	00053	12.51	35.54	26.93		1500.8							
	STD	00075	12.24	35.48	26.93	00.088	1500.2							
	OBS	00076	12.25	35.48	26.93		1500.2							
	STD	00100	12.24	35.48	26.93	00.117	1500.5							
	OBS	00100	12.24	35.48	26.93		1500.6							
	STD	00125	12.17	35.47	26.94	00.146	1500.7							
	OBS	00125	12.17	35.47	26.94		1500.7							
	STD	00150	12.15	35.47	26.94	00.175	1501.0							
	OBS	00150	12.15	35.47	26.94		1501.0							
	OBS	00175	12.15	35.47	26.94		1501.4							
	STD	00200	12.13	35.46	26.94	00.233	1501.8							
	OBS	00201	12.13	35.46	26.94		1501.8							
	OBS	00226	12.01	35.42	26.93		1501.7							
	OBS	00245	11.90	35.45	26.98		1501.7							
	STD	00250	11.70	35.39	26.97	00.291	1501.0							
	OBS	00251	11.65	35.38	26.97		1500.9							
	OBS	00255	11.51	35.37	26.99		1500.4							
	OBS	00264	10.66	35.16	26.98		1497.3							
	OBS	00276	10.38	35.21	27.07		1496.6							
	OBS	00298	10.27	35.20	27.08		1496.5							
	STD	00300	10.17	35.18	27.08	00.347	1496.2							
	OBS	00304	09.81	35.09	27.07		1494.8							
	OBS	00335	09.43	35.14	27.18		1494.0							
	OBS	00352	08.21	34.92	27.20		1489.4							
	OBS	00380	07.85	34.94	27.27		1488.5							
	OBS	00362	07.41	34.85	27.26		1486.9							
	STD	00400	07.37	34.88	27.29	00.443	1486.5							
	OBS	00403	07.35	34.89	27.30		1486.9							
	OBS	00451	07.15	34.86	27.39		1487.0							
	OBS	00456	07.15	34.87	27.39		1487.1							
	OBS	00462	06.53	34.63	27.40		1486.2							
	OBS	00466	06.85	34.94	27.41		1486.0							
	OBS	00474	06.63	34.95	27.45		1485.3							
	STD	00500	06.67	35.00	27.48	00.520	1486.0							
	OBS	00502	06.67	35.00	27.48		1486.0							
	OBS	00510	06.67	34.96	27.45		1486.1							
	OBS	00512	06.42	34.92	27.46		1485.1							
	OBS	00553	06.00	34.97	27.55		1484.2							
	STD	00600	05.84	35.00	27.59	00.584	1484.3							
	OBS	00601	05.83	35.00	27.60		1484.3							
	OBS	00656	05.23	34.95	27.63		1482.6							
	STD	00700	05.11	34.98	27.67	00.635	1483.0							
	OBS	00700	05.11	34.98	27.67		1483.0							
	OBS	00750	04.97	34.99	27.69		1483.3							
	STD	00800	04.88	35.01	27.72	00.685	1483.7							
	OBS	00801	04.88	35.01	27.72		1483.8							
	OBS	00850	04.82	35.02	27.72		1484.8							
	STD	00900	04.83	35.02	27.73	00.737	1485.2							
	OBS	00900	04.83	35.02	27.73		1485.2							
	OBS	00951	04.65	35.00	27.74		1485.3							
	STD	01000	04.54	34.95	27.74	00.785	1485.7							
	OBS	01001	04.54	34.99	27.74		1485.7							
	OBS	01020	04.46	34.99	27.75		1485.8							
	OBS	01022	04.39	34.94	27.72		1485.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0454	YEAR 1975	SDTDP 03504	AIR TEMP 14.8	DIR WGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1304							
CONSEC 0002	MONTH 04	SHIP EV	NET BULB 14.0	26 2 3	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2							
LAT 41 23 N	DAY 08	DATA USE 1	BAROMETER 1008.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 08							
LONG 048 40 W	MOOR 20.8	AREA 05	CLCUD T/A	CL/T/A	WEATHER X5	ORIG 011 691	1 SQUARE 18							
CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	DRYG	PO4	TOT P	NO2	NO3	S103	PH
20.8	STD	00000	14.44	35.87	26.74	00.000	1507.3							
	OBS	00003	14.44	35.87	26.74		1507.4							
	STD	00010	14.42	35.84	26.74	00.013	1507.4							
	OBS	00011	14.41	35.85	26.74		1507.4							
	STD	00020	14.55	35.87	26.76	00.026	1507.3							
	OBS	00020	14.54	35.87	26.76		1507.3							
	STD	00030	14.49	35.88	26.78	00.039	1507.3							
	OBS	00030	14.48	35.88	26.78		1507.3							
	OBS	00040	14.25	35.83	26.79		1506.7							
	OBS	00043	14.07	35.79	26.80		1506.1							
	OBS	00045	13.99	35.77	26.80		1505.8							
	OBS	00049	13.91	35.65	26.81		1504.2							
	STD	00050	13.51	35.65	26.81	00.065	1504.2							
	OBS	00053	13.36	35.60	26.80		1503.7							
	OBS	00055	13.17	35.54	26.79		1503.0							
	OBS	00062	12.78	35.47	26.82		1501.7							
	OBS	00068	12.20	35.35	26.84		1499.7							
	STD	00075	11.84	35.27	26.85	00.096	1498.5							
	OBS	00078	11.75	35.24	26.86		1498.2							
	OBS	00079	11.70	35.24	26.87		1498.1							
	OBS	00085	11.62	35.25	26.87		1497.9							
	OBS	00089	11.35	35.20	26.89		1496.9							
	STD	00100	11.03	35.16	26.91	00.126	1495.5							
	OBS	00102	11.01	35.15	26.91		1495.9							
	OBS	00106	11.03	35.17	26.92		1496.0							
	OBS	00110	11.65	35.33	26.93		1498.5							
	OBS	00112	11.60	35.31	26.92		1498.3							
	STD	00125	10.87	35.17	26.95	00.155	1495.8							
	OBS	00125	10.85	35.17	26.95		1495.7							
	STD	00150	11.47	35.35	26.98	00.183	1496.5							
	OBS	00150	11.48	35.35	26.98		1498.6							
	OBS	00175	11.63	35.41	27.00		1499.6							
	STD	00200	11.68	35.41	26.99	00.240	1500.2							
	OBS	00201	11.69	35.41	26.98		1500.2							
	OBS	00224	11.79	35.42	26.97		1501.0							
	STD	00250	11.83	35.46	27.00	00.296	1501.6							
	OBS	00251	11.83	35.46	27.00		1501.6							
	OBS	00276	11.72	35.43	26.99		1501.6							
	OBS	00287	11.33	35.36	27.01		1500.3							
	OBS	00297	11.36	35.41	27.05		1500.6							
	OBS	00298	11.60	35.49	27.06		1501.6							
	STD	00300	11.62	35.45	27.06	00.352	1501.7							
	OBS	00300	11.63	35.49	27.06		1501.7							
	OBS	00344	10.46	35.34	27.16		1498.2							
	OBS	00352	10.25	35.29	27.15		1497.4							
	OBS	00354	10.22	35.29	27.16		1497.4							
	OBS	00367	09.47	35.23	27.24		1494.8							
	STD	00400	08.87	35.15	27.28	00.450	1493.0							
	OBS	00403	08.84	35.15	27.28		1492.9							
	OBS	00407	08.81	35.15	27.29		1492.9							
	OBS	00409	08.80	35.13	27.27		1492.8							
	OBS	00411	08.71	35.12	27.28		1492.5							
	OBS	00441	08.14	35.10	27.35		1490.8							
	OBS	00451	07.85	35.08	27.38		1489.6							
	STD	00500	07.22	35.08	27.47	00.530	1488.2							
	OBS	00500	07.21	35.08	27.47		1488.2							
	OBS	00550	06.65	35.07	27.54		1486.8							
	OBS	00578	05.52	34.97	27.56		1484.2							
	OBS	00584	05.65	34.92	27.56		1483.1							
	STD	00600	05.50	34.94	27.56	00.594	1482.8							
	OBS	00601	05.46	34.94	27.59		1482.8							
	OBS	00637	05.70	35.01	27.62		1484.4							
	OBS	00647	05.05	34.90	27.61		1481.8							
	OBS	00652	04.92	34.92	27.64		1481.3							
	OBS	00660	04.84	34.86	27.60		1481.1							
	OBS	00673	04.23	34.81	27.63		1478.7							
	OBS	00683	04.21	34.81	27.63		1478.8							
	OBS	00692	04.41	34.86	27.65		1479.8							
	STD	00700	04.67	34.90	27.65	00.650	1481.0							
	OBS	00702	04.74	34.91	27.66		1481.4							
	OBS	00751	04.78	34.96	27.69		1482.5							
	STD	00800	04.79	34.97	27.70	00.701	1483.3							
	OBS	00801	04.79	34.97	27.70		1483.3							
	OBS	00850	04.61	34.98	27.73		1483.4							
	STD	00900	04.41	34.95	27.72	00.750	1483.4							
	OBS	00902	04.40	34.95	27.72		1483.4							
	OBS	00951	04.26	34.95	27.74		1483.6							
	STD	01000	04.25	34.95	27.74	00.797	1484.4							
	OBS	01003	04.25	34.95	27.74		1484.4							
	OBS	01020	04.12	34.91	27.72		1484.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODE STATION DATA

REFID 31	8454	YEAR 1975	BOATDP 03109	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SO 1306
CONSEC 0003		MONTH 04	SHIP EV	WET BULB 06.1	12 2 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 2
LAT 41 45 N		DAY 05	DATA USE 1	BAROMETER 1008.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 08
LONG 048 47 W		HOOR 00.1	AREA 05	CLCUD T/A	CL/TR	HEATHER X4	DRIG 011 692	1 SQUARE 18

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	OXVG	PO4	TOT P	NO2	NO3	S103	PH
00.1	STD	00000	00.57	32.63	26.17	00.000	1450.4							
	OBS	00000	00.57	32.63	26.17		1450.4							
	OBS	00009	01.07	32.92	26.36		1451.4							
	STD	00010	00.79	32.93	26.42	00.017	1450.2							
	OBS	00013	00.25	33.05	26.54		1447.6							
	OBS	00017	02.40	33.33	26.63		1458.0							
	STD	00020	02.11	33.35	26.67	00.032	1456.8							
	OBS	00020	02.05	33.34	26.68		1456.6							
	OBS	00028	02.23	33.53	26.80		1457.7							
	STD	00030	02.38	33.54	26.79	00.046	1458.4							
	OBS	00032	02.61	33.55	26.78		1459.5							
	OBS	00040	03.12	33.61	26.79		1461.6							
	STD	00050	03.32	33.65	26.80	00.071	1463.0							
	OBS	00051	03.33	33.65	26.80		1463.0							
	STD	00075	02.79	33.67	26.86	00.102	1461.1							
	OBS	00076	02.71	33.67	26.87		1460.8							
	OBS	00078	02.56	33.72	26.52		1460.2							
	OBS	00085	02.52	33.76	26.96		1460.3							
	OBS	00085	02.60	33.80	26.99		1460.7							
	OBS	00093	02.39	33.81	27.01		1459.9							
	OBS	00095	02.63	33.88	27.05		1461.0							
	STD	00100	02.92	33.96	27.08	00.126	1462.5							
	OBS	00100	02.96	33.97	27.09		1462.7							
	OBS	00118	03.16	34.06	27.13		1463.9							
	OBS	00119	02.47	34.00	27.16		1460.5							
	OBS	00121	02.12	33.96	27.15		1459.4							
	STD	00125	02.02	34.01	27.20	00.153	1459.1							
	OBS	00125	02.00	34.03	27.22		1459.0							
	OBS	00129	02.85	34.17	27.26		1463.0							
	OBS	00135	03.02	34.19	27.26		1463.8							
	OBS	00144	02.60	34.17	27.28		1462.1							
	OBS	00148	02.86	34.23	27.31		1463.4							
	STD	00150	02.89	34.23	27.31	00.173	1463.6							
	OBS	00152	02.92	34.24	27.31		1463.7							
	OBS	00163	02.86	34.26	27.33		1463.7							
	OBS	00167	02.65	34.23	27.32		1462.8							
	OBS	00171	01.44	34.12	27.33		1457.4							
	OBS	00173	01.09	34.12	27.35		1455.6							
	OBS	00177	01.01	34.13	27.37		1455.6							
	OBS	00194	01.42	34.23	27.42		1457.8							
	OBS	00199	01.51	34.31	27.48		1458.4							
	STD	00200	01.52	34.31	27.48	00.205	1458.5							
	OBS	00213	02.57	34.41	27.47		1463.5							
	OBS	00218	02.86	34.46	27.49		1464.9							
	OBS	00224	03.29	34.48	27.47		1466.8							
	OBS	00226	03.29	34.46	27.45		1466.8							
	OBS	00230	03.05	34.43	27.44		1466.0							
	OBS	00236	03.25	34.49	27.48		1466.9							
	STD	00250	02.18	34.37	27.48	00.240	1462.3							
	OBS	00253	02.09	34.37	27.48		1462.0							
	OBS	00268	02.47	34.47	27.53		1464.0							
	OBS	00277	02.95	34.54	27.54		1466.3							
	OBS	00285	02.65	34.51	27.55		1465.1							
	OBS	00293	03.52	34.66	27.59		1469.2							
	STD	00300	03.60	34.67	27.59	00.265	1465.7							
	OBS	00300	03.61	34.67	27.59		1469.7							
	OBS	00317	03.77	34.71	27.60		1470.7							
	OBS	00321	04.13	34.77	27.61		1472.4							
	OBS	00325	04.18	34.76	27.60		1472.6							
	OBS	00335	04.54	34.83	27.61		1474.4							
	OBS	00338	04.56	34.82	27.60		1474.5							
	OBS	00348	04.06	34.76	27.61		1472.5							
	OBS	00352	04.06	34.76	27.61		1472.6							
	OBS	00361	03.52	34.68	27.60		1470.4							
	OBS	00386	03.52	34.72	27.63		1470.8							
	OBS	00395	04.09	34.80	27.64		1473.5							
	STD	00400	04.07	34.79	27.63	00.321	1473.4							
	OBS	00401	04.06	34.76	27.63		1473.4							
	OBS	00453	04.18	34.85	27.67		1474.9							
	OBS	00489	04.43	34.87	27.66		1474.5							
	STD	00500	04.17	34.86	27.68	00.370	1475.6							
	OBS	00500	04.16	34.86	27.68		1475.6							
	OBS	00550	04.14	34.88	27.70		1476.4							
	STD	00600	04.51	34.96	27.72	00.417	1478.8							
	OBS	00601	04.51	34.96	27.72		1478.9							
	OBS	00651	04.38	34.95	27.73		1479.1							
	STD	00700	04.29	34.95	27.74	00.461	1479.6							
	OBS	00700	04.29	34.95	27.74		1479.6							
	OBS	00750	04.20	34.95	27.75		1480.0							
	STD	00800	04.27	34.97	27.75	00.505	1481.2							
	OBS	00801	04.27	34.97	27.76		1481.2							
	OBS	00850	04.09	34.94	27.75		1481.2							
	STD	00900	04.03	34.95	27.76	00.548	1481.8							
	OBS	00900	04.03	34.95	27.76		1481.8							
	OBS	00953	03.95	34.93	27.76		1482.3							
	STD	01000	03.92	34.94	27.77	00.591	1483.0							
	OBS	01001	03.92	34.94	27.77		1483.0							
	OBS	01031	03.85	34.93	27.76		1483.4							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 0434 YEAR 1975 BOTDP 03124 AIR TEMP 08.2 DTR HGT PER WIND-DIR 21 INST STD RECORDER TEN 50 1300
 CONSEC 0004 MONTH 04 SHIP EV MET BULB 07.2 99 X X WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
 LA" 42 04.5N DAY 09 DATA USE 1 BARCHETA 1006.3 SEA CL/TR WIND-FOR X4 DURATION 00.3 2 SQUARE 28
 LONG 048 50 W HOUR 02.9 AREA 05 CLOUD T/A WEATHER X4 DRIS 011 093 1 SQUARE 28

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
02.9	STD	00000	03.81	33.51	26.64	00.000	1464.0							
	OBS	00000	03.81	33.51	26.64		1464.0							
	STD	00010	03.82	33.54	26.66	00.014	1464.3							
	OBS	00011	03.82	33.54	26.67		1464.3							
	STD	00020	03.51	33.58	26.71	00.028	1465.1							
	OBS	00020	03.49	33.58	26.71		1465.1							
	OBS	00024	03.46	33.55	26.71		1465.0							
	STD	00030	02.86	33.52	26.74	00.041	1460.5							
	OBS	00030	02.81	33.52	26.74		1460.3							
	OBS	00034	02.46	33.48	26.74		1458.8							
	OBS	00047	01.92	33.65	26.92		1456.8							
	OBS	00049	02.14	33.66	26.91		1457.5							
	STD	00050	02.31	33.67	26.91	00.066	1458.6							
	OBS	00051	02.67	33.70	26.90		1460.3							
	OBS	00055	02.82	33.72	26.90		1461.0							
	OBS	00055	01.59	33.64	26.94		1455.6							
	OBS	00062	00.83	33.61	26.96		1452.2							
	OBS	00066	01.87	33.75	27.00		1457.1							
	OBS	00068	02.03	33.82	27.05		1457.9							
	OBS	00072	01.85	33.78	27.03		1457.1							
	STD	00075	00.97	33.74	27.06	00.093	1453.2							
	OBS	00076	00.78	33.73	27.06		1452.3							
	OBS	00078	00.69	33.71	27.05		1451.9							
	OBS	00081	01.23	33.86	27.14		1456.6							
	OBS	00093	01.32	33.52	27.18		1455.3							
	OBS	00099	01.42	33.93	27.18		1455.9							
	STD	00100	01.41	33.93	27.18	00.117	1455.6							
	OBS	00100	01.41	33.93	27.18		1455.8							
	OBS	00114	02.07	34.09	27.26		1456.2							
	OBS	00116	01.86	34.11	27.29		1458.4							
	OBS	00123	02.14	34.12	27.28		1459.7							
	STD	00125	01.54	34.10	27.27	00.138	1458.8							
	OBS	00125	01.88	34.09	27.27		1458.6							
	OBS	00129	01.96	34.14	27.31		1459.0							
	OBS	00135	03.22	34.34	27.36		1464.9							
	STD	00150	03.30	34.33	27.35	00.157	1465.4							
	OBS	00150	03.30	34.33	27.34		1465.5							
	OBS	00178	03.34	34.46	27.44		1466.3							
	STD	00200	03.35	34.45	27.47	00.192	1466.7							
	OBS	00203	03.36	34.50	27.47		1466.8							
	OBS	00228	03.55	34.54	27.50		1468.1							
	STD	00250	03.72	34.64	27.55	00.222	1469.3							
	OBS	00251	03.73	34.64	27.55		1469.4							
	OBS	00276	03.77	34.66	27.56		1470.0							
	STD	00300	03.77	34.69	27.58	00.250	1470.4							
	OBS	00300	03.77	34.69	27.59		1470.4							
	OBS	00350	03.89	34.75	27.62		1471.8							
	OBS	00363	03.88	34.77	27.64		1472.0							
	OBS	00389	04.15	34.82	27.65		1473.3							
	STD	00400	04.07	34.83	27.66	00.301	1473.5							
	OBS	00401	04.07	34.83	27.67		1473.5							
	OBS	00451	03.97	34.84	27.68		1473.9							
	STD	00500	03.98	34.86	27.70	00.348	1474.8							
	OBS	00500	03.98	34.86	27.70		1474.8							
	OBS	00555	04.02	34.90	27.73		1476.0							
	STD	00600	04.06	34.90	27.72	00.362	1476.5							
	OBS	00603	04.06	34.90	27.72		1476.9							
	OBS	00652	04.02	34.92	27.74		1477.8							
	STD	00700	04.04	34.93	27.75	00.436	1478.5							
	OBS	00702	04.04	34.93	27.75		1478.5							
	OBS	00750	04.00	34.94	27.76		1479.2							
	STD	00800	03.95	34.93	27.77	00.478	1479.8							
	OBS	00803	03.95	34.95	27.77		1479.9							
	OBS	00850	03.91	34.94	27.77		1480.5							
	STD	00900	03.84	34.93	27.77	00.515	1481.0							
	OBS	00900	03.84	34.93	27.77		1481.0							
	OBS	00953	03.75	34.93	27.77		1481.7							
	STD	01000	03.73	34.93	27.78	00.561	1482.2							
	OBS	01001	03.73	34.93	27.78		1482.2							
	OBS	01029	03.72	34.93	27.78		1482.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA														
REFID 31	0454	YEAR 1975	BOTDP 02743	AIR TEMP 06.5	DIR MGT PER	WIND-DIR 14	INST STD RECORDER	TEN SO 1306						
CONSEC 0005	MONTH 04	SHIP EV	WET BULB 06.2	99 X X	WIND-SPD 12	TRACE DIR	0	5 SQUARE 2						
LAT 42 27.1N	DAY 09	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION	00.4	2 SQUARE 28						
LONG 045 06.4W	HOOR 05.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIS C11 694		1 SQUARE 25						
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTR	SND VEL	OXYG	PO4	TOT 2	NO2	NO3	SIO3	PH
05.4	STD	00000	02.10	33.35	26.70	00.000	1456.5							
	OBS	00001	02.10	33.39	26.70		1456.5							
	OBS	00005	02.05	33.37	26.69		1456.3							
	OBS	00009	01.64	33.35	26.70		1454.6							
	STD	00010	01.63	33.35	26.70	00.014	1454.5							
	OBS	00011	01.60	33.38	26.73		1454.5							
	OBS	00013	01.88	33.49	26.76		1455.9							
	OBS	00017	02.40	33.59	26.83		1458.4							
	OBS	00019	02.18	33.57	26.84		1457.4							
	STD	00020	01.56	33.56	26.84	00.026	1456.4							
	OBS	00022	01.41	33.52	26.85		1456.0							
	OBS	00024	01.10	33.49	26.85		1452.6							
	STD	00030	01.05	33.53	26.88	00.038	1452.5							
	OBS	00030	01.05	33.53	26.88		1452.5							
	OBS	00034	00.33	33.50	26.90		1449.3							
	OBS	00047	- 0.34	33.61	27.02		1446.6							
	STD	00050	- 0.31	33.61	27.02	00.061	1446.7							
	OBS	00051	- 0.30	33.62	27.03		1446.8							
	OBS	00053	- 0.28	33.64	27.04		1447.0							
	OBS	00055	- 0.08	33.75	27.12		1448.1							
	OBS	00060	02.28	33.92	27.11		1459.0							
	OBS	00074	02.30	33.95	27.13		1459.4							
	STD	00075	02.23	33.93	27.12	00.086	1459.0							
	OBS	00076	02.08	33.92	27.12		1458.4							
	OBS	00078	01.70	33.93	27.16		1456.8							
	OBS	00081	01.66	33.93	27.16		1456.6							
	OBS	00085	01.38	33.93	27.18		1455.5							
	OBS	00095	01.82	34.07	27.26		1457.8							
	STD	00100	01.92	34.09	27.27	00.108	1458.3							
	OBS	00100	01.94	34.05	27.27		1458.4							
	STD	00125	02.63	34.22	27.32	00.128	1462.0							
	OBS	00125	02.65	34.23	27.32		1462.1							
	OBS	00129	02.78	34.30	27.37		1462.8							
	OBS	00133	03.18	34.37	27.39		1464.7							
	OBS	00140	03.41	34.40	27.39		1465.9							
	OBS	00142	03.73	34.47	27.41		1467.4							
	STD	00150	03.88	34.49	27.41	00.146	1468.1							
	OBS	00150	03.89	34.45	27.41		1468.2							
	OBS	00175	04.17	34.60	27.47		1469.6							
	OBS	00198	04.15	34.62	27.45		1470.2							
	STD	00200	04.03	34.60	27.45	00.175	1469.7							
	OBS	00203	03.68	34.56	27.49		1468.3							
	OBS	00209	02.83	34.46	27.49		1464.6							
	OBS	00218	02.99	34.52	27.52		1465.5							
	OBS	00228	02.78	34.49	27.52		1464.7							
	OBS	00245	02.69	34.54	27.57		1464.8							
	STD	00250	02.74	34.55	27.57	00.208	1465.0							
	OBS	00253	02.96	34.59	27.58		1466.0							
	OBS	00255	03.03	34.58	27.57		1466.4							
	OBS	00268	03.73	34.72	27.61		1469.8							
	OBS	00277	03.97	34.76	27.62		1471.0							
	OBS	00281	04.71	34.86	27.62		1474.3							
	OBS	00293	04.72	34.85	27.61		1474.5							
	STD	00300	04.18	34.77	27.60	00.234	1472.3							
	OBS	00300	04.13	34.76	27.60		1472.0							
	OBS	00350	04.41	34.89	27.68		1474.2							
	STD	00400	04.49	34.92	27.69	00.283	1475.4							
	OBS	00401	04.49	34.92	27.69		1475.4							
	OBS	00453	04.58	34.96	27.71		1476.7							
	STD	00500	04.24	34.95	27.74	00.327	1476.0							
	OBS	00502	04.23	34.95	27.74		1476.0							
	OBS	00550	04.31	34.97	27.75		1477.2							
	STD	00600	04.19	34.95	27.75	00.365	1477.5							
	OBS	00605	04.18	34.95	27.75		1477.5							
	OBS	00652	04.06	34.95	27.76		1477.8							
	STD	00700	03.98	34.94	27.76	00.410	1478.3							
	OBS	00702	03.98	34.94	27.76		1478.3							
	OBS	00750	03.98	34.95	27.77		1479.1							
	STD	00800	03.97	34.95	27.77	00.452	1479.6							
	OBS	00801	03.97	34.95	27.77		1479.9							
	OBS	00850	03.95	34.95	27.77		1480.6							
	STD	00900	03.91	34.95	27.78	00.493	1481.3							
	OBS	00900	03.91	34.95	27.78		1481.3							
	OBS	00951	03.86	34.94	27.77		1481.9							
	STD	01000	03.82	34.94	27.78	00.535	1482.4							
	OBS	01001	03.82	34.94	27.78		1482.6							
	OBS	01027	03.79	34.94	27.78		1482.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C S T A T I O N D A T A

REFID 31 8454	YEAR 1975	BOTDP 02534	AIR TEMP 04.7	DIR MGT PER	WIND-DIR 07	INST STD RECORDER	TEN SO 1306
CONSEC 0004	MONTH 04	SHIP EV	MET BULB 04.7	99 X X	WIND-SPD 17	TRACE DIR 0	5 SQUARE 2
LAT 42 34.7N	DAY 09	DATA USE 1	BARDOMETR 1002.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 045 08 W	MOON 07.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	DRIS 011 695	1 SQUARE 29

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
07.4	STD	00000	01.15	33.16	26.58	00.000	1452.0							
	OBS	00001	01.15	33.16	26.58		1452.0							
	STD	00010	01.20	33.21	26.62	00.014	1452.4							
	OBS	00011	01.21	33.22	26.62		1452.5							
	STD	00020	01.12	33.32	26.71	00.028	1452.4							
	OBS	00020	01.10	33.33	26.72		1452.3							
	STD	00030	00.86	33.52	26.89	00.041	1451.6							
	OBS	00030	00.85	33.53	26.90		1451.6							
	STD	00050	01.19	33.78	27.08	00.063	1453.8							
	OBS	00051	01.21	33.80	27.09		1454.0							
	STD	00075	01.41	33.58	27.22	00.086	1455.5							
	OBS	00076	01.42	33.59	27.23		1455.6							
	STD	00100	01.68	34.25	27.42	00.105	1457.5							
	OBS	00100	01.69	34.26	27.42		1457.5							
	STD	00125	02.18	34.40	27.50	00.121	1460.3							
	OBS	00125	02.19	34.40	27.50		1460.3							
	STD	00150	02.07	34.42	27.53	00.136	1460.3							
	OBS	00152	02.06	34.44	27.54		1460.3							
	OBS	00156	02.28	34.47	27.55		1461.3							
	OBS	00167	02.12	34.46	27.55		1460.8							
	OBS	00175	02.86	34.56	27.57		1464.3							
	OBS	00178	03.35	34.65	27.59		1466.6							
	STD	00200	03.74	34.71	27.60	00.163	1468.7							
	OBS	00201	03.77	34.71	27.60		1468.8							
	OBS	00228	04.04	34.77	27.62		1470.5							
	STD	00250	03.76	34.77	27.65	00.188	1469.7							
	OBS	00251	03.75	34.77	27.65		1469.6							
	OBS	00276	03.64	34.78	27.67		1465.6							
	STD	00300	03.74	34.82	27.69	00.211	1470.5							
	OBS	00302	03.75	34.82	27.69		1470.5							
	OBS	00350	03.72	34.84	27.71		1471.2							
	OBS	00367	03.73	34.84	27.71		1471.6							
	STD	00400	03.55	34.85	27.72	00.254	1473.1							
	OBS	00401	03.55	34.89	27.73		1473.1							
	OBS	00454	03.65	34.86	27.73		1472.7							
	STD	00500	03.55	34.87	27.75	00.295	1473.0							
	OBS	00500	03.55	34.87	27.75		1473.0							
	OBS	00550	03.66	34.89	27.76		1474.3							
	STD	00600	03.87	34.92	27.76	00.335	1476.1							
	OBS	00603	03.88	34.92	27.76		1476.2							
	OBS	00652	03.93	34.94	27.77		1477.3							
	STD	00700	03.91	34.94	27.77	00.375	1478.0							
	OBS	00700	03.91	34.94	27.77		1478.0							
	OBS	00751	03.89	34.94	27.77		1478.7							
	STD	00800	03.82	34.94	27.78	00.416	1479.2							
	OBS	00801	03.82	34.94	27.78		1479.3							
	OBS	00852	03.79	34.93	27.77		1480.0							
	STD	00900	03.79	34.94	27.78	00.457	1480.8							
	OBS	00902	03.79	34.94	27.78		1480.8							
	OBS	00953	03.77	34.93	27.78		1481.6							
	STD	01000	03.68	34.92	27.78	00.498	1482.0							
	OBS	01001	03.68	34.92	27.78		1482.0							
	OBS	01024	03.63	34.91	27.77		1482.1							

AD-A066 290

COAST GUARD WASHINGTON D C OCEANOGRAPHIC UNIT
OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND - 1975.(U)
APR 78 D G MOUNTAIN
USCG-373-75

F/G 8/3

UNCLASSIFIED

NL

2 OF 4
ADA
066290

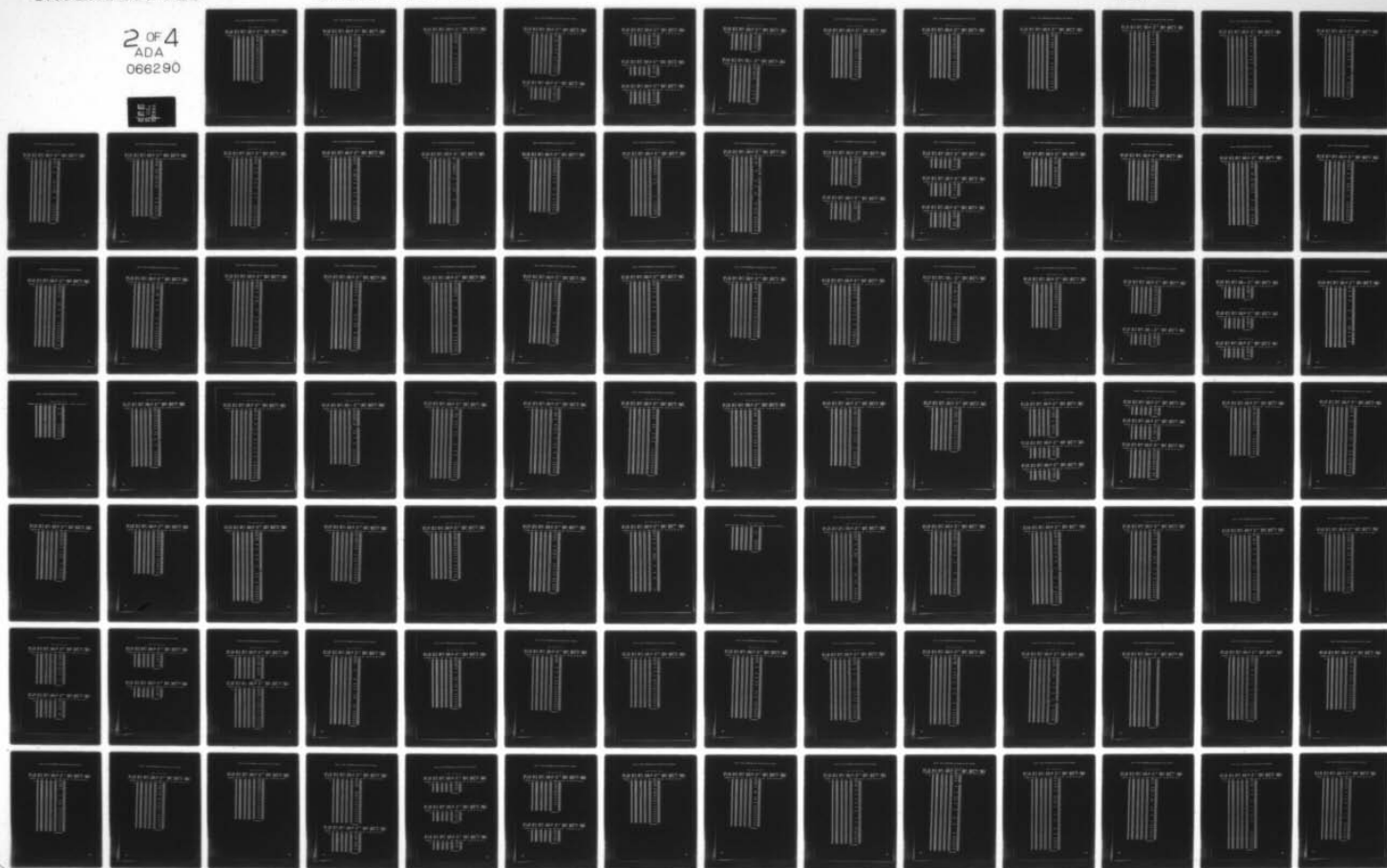


TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 0454	YEAR 1975	BOTDP 02206	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1306								
CONSEC 0007	MONTH 04	SHIP EV	MET BULB 07.0	45 2 X	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2								
LAT 42 45.2N	DAY 09	DATA USE 1	BARCHETA 1001.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28								
LONG 049 11.2W	HOOR 09.2	AREA 05	CLCUD T/A	CL/TR	WEATHER X6	DRIS 011 696	1 SQUARE 29								
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH	
	STD	00000	01.70	33.33	26.68	00.000	1454.6								
09.2	OBS	00001	01.70	33.33	26.68		1454.7								
	STD	00010	01.64	33.35	26.70	00.014	1454.6								
	OBS	00011	01.62	33.35	26.70		1454.5								
	STD	00020	01.45	33.37	26.73	00.027	1453.5								
	OBS	00020	01.44	33.37	26.73		1453.9								
	STD	00030	01.41	33.44	26.80	00.040	1454.0								
	OBS	00030	01.41	33.44	26.80		1454.0								
	OBS	00034	01.41	33.44	26.80		1454.1								
	OBS	00040	01.28	33.48	26.83		1453.6								
	STD	00050	00.92	33.58	26.93	00.064	1452.3								
	OBS	00053	00.87	33.66	27.00		1452.3								
	OBS	00057	00.85	33.79	27.10		1452.4								
	OBS	00074	01.21	34.05	27.29		1454.7								
	STD	00075	01.33	34.08	27.31	00.088	1455.3								
	OBS	00076	01.48	34.12	27.33		1456.0								
	STD	00100	02.24	34.33	27.44	00.106	1460.1								
	OBS	00100	02.26	34.34	27.44		1460.2								
	STD	00125	02.51	34.46	27.52	00.121	1461.8								
	OBS	00125	02.51	34.46	27.52		1461.8								
	OBS	00133	02.49	34.46	27.52		1461.9								
	STD	00150	02.10	34.45	27.55	00.135	1460.4								
	OBS	00154	02.05	34.45	27.55		1460.3								
	OBS	00175	02.12	34.49	27.58		1461.0								
	STD	00200	02.15	34.52	27.59	00.162	1461.5								
	OBS	00201	02.16	34.52	27.60		1461.6								
	OBS	00226	02.49	34.59	27.62		1463.6								
	STD	00250	02.53	34.67	27.65	00.187	1466.0								
	OBS	00253	02.99	34.68	27.65		1466.3								
	OBS	00270	03.30	34.73	27.66		1468.0								
	OBS	00276	03.49	34.77	27.68		1468.9								
	STD	00300	03.74	34.84	27.71	00.205	1470.5								
	OBS	00300	03.75	34.84	27.71		1470.5								
	OBS	00352	04.31	34.92	27.71		1473.8								
	STD	00400	04.43	34.95	27.72	00.252	1475.2								
	OBS	00401	04.43	34.95	27.72		1475.2								
	OBS	00453	04.32	34.96	27.74		1475.6								
	STD	00500	04.27	34.96	27.75	00.294	1476.2								
	OBS	00500	04.27	34.96	27.75		1476.2								
	OBS	00552	04.16	34.96	27.76		1476.6								
	STD	00600	04.20	34.97	27.76	00.335	1477.5								
	OBS	00601	04.20	34.97	27.76		1477.6								
	OBS	00651	04.11	34.96	27.76		1478.0								
	STD	00700	04.06	34.96	27.77	00.375	1478.6								
	OBS	00702	04.06	34.96	27.77		1478.7								
	OBS	00750	03.97	34.95	27.77		1479.1								
	STD	00800	03.89	34.95	27.78	00.416	1479.6								
	OBS	00801	03.89	34.95	27.78		1479.6								
	OBS	00850	03.84	34.94	27.78		1480.2								
	STD	00900	03.79	34.93	27.77	00.457	1480.8								
	OBS	00900	03.79	34.93	27.77		1480.8								
	OBS	00953	03.75	34.93	27.78		1481.5								
	STD	01000	03.75	34.93	27.78	00.455	1482.3								
	OBS	01001	03.75	34.93	27.78		1482.3								
	OBS	01020	03.73	34.93	27.78		1482.5								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REF ID 31 0454	YEAR 1975	DOTDP 01737	AIR TEMP 05.5	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0000	MONTH 04	SHIP EV	WET BULB 05.3	36 2 3	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LA 42 54.0N	DAY 05	DATA USE 1	BAROMETER 1000.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 15.5W	HOUR 11.2	AREA 05	CLCUD T/A	CL/TR	WEATHER X6	DRIC 011 697	1 SQUARE 29

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.2	STD	00000	02.59	33.33	26.61	00.000	1458.6							
	OBS	00001	02.59	33.33	26.61		1458.6							
	OBS	00003	02.55	33.33	26.61		1458.6							
	STD	00010	02.56	33.37	26.64	00.014	1458.8							
	OBS	00011	02.59	33.38	26.65		1458.8							
	STD	00020	02.56	33.43	26.69	00.028	1458.9							
	OBS	00020	02.50	33.43	26.70		1458.6							
	OBS	00026	01.83	33.44	26.76		1455.8							
	STD	00030	01.74	33.48	26.80	00.041	1455.5							
	OBS	00030	01.73	33.49	26.81		1455.5							
	OBS	00049	01.26	33.74	27.04		1454.1							
	STD	00050	01.26	33.77	27.06	00.064	1454.1							
	OBS	00051	01.27	33.84	27.12		1454.3							
	STD	00075	01.65	34.00	27.22	00.087	1456.6							
	OBS	00076	01.49	34.04	27.25		1456.8							
	OBS	00078	01.74	34.11	27.30		1457.3							
	OBS	00079	02.08	34.18	27.33		1458.8							
	OBS	00097	02.16	34.25	27.38		1459.5							
	OBS	00099	02.51	34.34	27.42		1461.2							
	STD	00100	02.54	34.35	27.43	00.101	1461.4							
	OBS	00102	02.61	34.36	27.43		1461.7							
	STD	00125	02.75	34.41	27.46	00.123	1462.8							
	OBS	00127	02.77	34.42	27.46		1462.9							
	OBS	00142	02.24	34.38	27.48		1460.9							
	STD	00150	02.21	34.39	27.49	00.138	1460.8							
	OBS	00150	02.21	34.39	27.49		1460.8							
	OBS	00175	02.42	34.49	27.55		1462.3							
	OBS	00178	02.67	34.51	27.55		1463.5							
	OBS	00184	02.71	34.52	27.55		1463.9							
	OBS	00198	02.30	34.50	27.57		1462.2							
	STD	00200	02.28	34.50	27.57	00.167	1462.1							
	OBS	00205	02.26	34.51	27.58		1462.1							
	OBS	00220	02.62	34.59	27.61		1464.0							
	OBS	00224	02.82	34.64	27.63		1465.5							
	OBS	00228	03.03	34.66	27.63		1466.0							
	OBS	00243	03.14	34.67	27.63		1466.8							
	STD	00250	03.36	34.71	27.64	00.192	1467.8							
	OBS	00253	03.44	34.72	27.64		1468.3							
	OBS	00268	03.62	34.76	27.66		1469.3							
	OBS	00274	03.88	34.79	27.65		1470.6							
	OBS	00277	03.91	34.83	27.68		1470.8							
	STD	00300	04.04	34.84	27.68	00.216	1471.7							
	OBS	00300	04.04	34.84	27.68		1471.8							
	OBS	00350	04.15	34.90	27.71		1473.1							
	STD	00400	04.09	34.91	27.73	00.260	1473.7							
	OBS	00403	04.05	34.91	27.73		1473.8							
	OBS	00451	04.04	34.92	27.74		1474.4							
	STD	00500	04.09	34.93	27.74	00.301	1475.4							
	OBS	00502	04.09	34.93	27.74		1475.4							
	OBS	00550	04.11	34.94	27.75		1476.3							
	STD	00600	04.15	34.95	27.75	00.343	1477.3							
	OBS	00601	04.15	34.95	27.75		1477.3							
	OBS	00651	04.09	34.95	27.76		1477.9							
	STD	00700	03.92	34.93	27.76	00.384	1478.0							
	OBS	00702	03.91	34.93	27.76		1478.0							
	OBS	00750	03.75	34.91	27.76		1478.1							
	STD	00800	03.59	34.90	27.77	00.425	1478.2							
	OBS	00801	03.59	34.90	27.77		1478.2							
	OBS	00850	03.75	34.93	27.78		1479.8							
	STD	00900	03.73	34.93	27.78	00.461	1480.5							
	OBS	00900	03.73	34.93	27.78		1480.5							
	OBS	00953	03.64	34.92	27.78		1481.1							
	STD	01000	03.58	34.91	27.78	00.507	1481.5							
	OBS	01001	03.57	34.91	27.78		1481.5							
	OBS	01024	03.45	34.89	27.78		1481.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 0454	YEAR 1975	NOTOP 00808	AIR TEMP 05.6	DIR MGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 04	SHIP EV	WET BULB 05.5	18 2 4	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2
LAT 43 05 N	DAY 09	DATA USE 1	BAROMETR 0984.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 049 18 W	HOUR 13.4	AREA 05	CLCUD T/A	CL/TR	WEATHER X6	OR 16 011 698 11	1 SQUARE 35

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	STD	00000	03.98	33.71	26.79	00.000	1465.0							
	OBS	00000	03.98	33.71	26.79		1465.0							
	STD	00010	04.05	33.76	26.82	00.013	1465.6							
	OBS	00011	04.05	33.76	26.82		1465.6							
	STD	00020	04.00	33.76	26.82	00.025	1465.5							
	OBS	00020	03.99	33.76	26.82		1465.5							
	STD	00030	03.82	33.79	26.86	00.037	1464.9							
	OBS	00030	03.81	33.79	26.87		1464.9							
	STD	00050	03.75	33.91	26.96	00.060	1465.2							
	OBS	00053	03.74	33.93	26.98		1465.2							
	STD	00075	04.00	34.11	27.10	00.086	1466.9							
	OBS	00076	04.05	34.13	27.11		1467.1							
	OBS	00078	04.14	34.17	27.13		1467.6							
	OBS	00079	04.48	34.23	27.15		1469.1							
	OBS	00085	04.79	34.28	27.15		1470.8							
	OBS	00097	04.43	34.27	27.18		1469.3							
	STD	00100	04.31	34.22	27.15	00.110	1468.7							
	OBS	00100	04.27	34.20	27.14		1468.6							
	OBS	00102	04.82	34.44	27.27		1471.2							
	OBS	00104	04.99	34.49	27.29		1472.0							
	OBS	00114	04.87	34.44	27.27		1471.6							
	OBS	00116	04.52	34.42	27.29		1470.2							
	OBS	00119	04.27	34.39	27.29		1469.1							
	OBS	00123	03.84	34.36	27.32		1467.4							
	STD	00125	03.70	34.35	27.32	00.131	1466.8							
	OBS	00125	03.64	34.35	27.33		1466.5							
	OBS	00129	03.43	34.36	27.36		1465.7							
	OBS	00131	02.99	34.30	27.35		1463.8							
	OBS	00137	02.69	34.31	27.38		1462.6							
	OBS	00140	02.27	34.30	27.41		1460.8							
	STD	00150	02.19	34.30	27.42	00.150	1460.6							
	OBS	00150	02.19	34.30	27.42		1460.6							
	OBS	00175	02.74	34.47	27.51		1463.6							
	OBS	00188	01.94	34.42	27.53		1460.3							
	STD	00200	01.97	34.45	27.55	00.180	1460.7							
	OBS	00201	01.98	34.45	27.55		1460.7							
	OBS	00228	02.15	34.50	27.58		1462.0							
	STD	00250	02.26	34.54	27.60	00.207	1462.9							
	OBS	00251	02.26	34.54	27.60		1462.9							
	OBS	00276	02.15	34.53	27.61		1462.8							
	OBS	00297	02.42	34.62	27.64		1465.3							
	STD	00300	02.65	34.63	27.64	00.232	1465.5							
	OBS	00302	02.68	34.63	27.64		1465.7							
	OBS	00350	03.11	34.70	27.66		1468.4							
	STD	00400	03.28	34.75	27.68	00.278	1470.0							
	OBS	00403	03.29	34.75	27.68		1470.2							
	OBS	00451	03.46	34.80	27.70		1471.7							
	STD	00500	03.46	34.81	27.71	00.323	1472.6							
	OBS	00500	03.46	34.81	27.71		1472.6							
	OBS	00550	03.52	34.82	27.71		1473.7							
	STD	00600	03.52	34.83	27.72	00.366	1474.5							
	OBS	00603	03.52	34.83	27.72		1474.6							
	OBS	00651	03.54	34.84	27.73		1475.4							
	STD	00700	03.52	34.85	27.74	00.410	1476.2							
	OBS	00700	03.52	34.85	27.74		1476.2							
	OBS	00751	03.52	34.86	27.75		1477.1							
	STD	00800	03.50	34.86	27.75	00.452	1477.8							
	OBS	00801	03.50	34.86	27.75		1477.8							
	OBS	00850	03.50	34.87	27.76		1478.6							
	OBS	00883	03.50	34.86	27.75		1479.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454 YEAR 1975 BOTOP 00466 AIR TEMP 03.5 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SO 1306
 CONSEC 0010 MONTH 04 SHIP EV WET BULB 03.5 14 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2
 LAT 43 15.2N DAY 09 DATA USE 1 BAROMETER 0998.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 28
 LONG 049 27.1W HOUR 15.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 659 10 1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	STD	00000	00.08	32.83	26.37	00.000	1446.6							
	OBS	00001	00.08	32.83	26.37		1446.7							
	STD	00010	- 0.22	32.87	26.42	00.016	1445.5							
	OBS	00011	- 0.28	32.88	26.43		1445.2							
	OBS	00013	- 0.47	32.84	26.41		1444.4							
	OBS	00019	- 1.09	32.92	26.49		1441.7							
	STD	00020	- 1.12	32.94	26.51	00.032	1441.5							
	OBS	00020	- 1.15	32.96	26.53		1441.5							
	STD	00030	- 1.12	33.06	26.61	00.047	1441.9							
	OBS	00030	- 1.12	33.07	26.62		1441.9							
	OBS	00032	- 1.26	33.10	26.64		1441.3							
	OBS	00047	- 1.02	33.29	26.79		1443.0							
	OBS	00049	- 0.03	33.39	26.83		1447.7							
	STD	00050	00.17	33.41	26.84	00.073	1448.7							
	OBS	00055	01.39	33.54	26.87		1454.5							
	OBS	00059	01.34	33.53	26.86		1454.3							
	OBS	00066	01.89	33.75	27.00		1457.2							
	OBS	00068	02.26	33.74	26.97		1458.8							
	STD	00075	02.72	33.85	27.01	00.102	1461.1							
	OBS	00076	02.91	33.85	27.00		1461.5							
	OBS	00078	03.32	33.84	26.95		1463.7							
	OBS	00081	03.53	33.88	26.96		1464.7							
	STD	00100	03.34	33.88	26.98	00.129	1464.2							
	OBS	00100	03.34	33.88	26.98		1464.2							
	OBS	00108	03.33	33.88	26.98		1464.3							
	OBS	00110	02.85	33.86	27.01		1462.2							
	OBS	00114	02.76	33.91	27.06		1462.0							
	OBS	00116	03.05	33.95	27.07		1463.3							
	STD	00125	03.89	34.07	27.12	00.154	1465.5							
	OBS	00125	03.51	34.08	27.13		1465.6							
	OBS	00131	00.75	33.77	27.09		1453.2							
	STD	00150	00.45	33.90	27.21	00.177	1452.3							
	OBS	00150	00.44	33.90	27.22		1452.3							
	OBS	00175	01.14	34.04	27.29		1456.0							
	OBS	00178	01.17	34.04	27.28		1456.2							
	OBS	00186	02.35	34.24	27.36		1461.8							
	STD	00200	02.87	34.32	27.38	00.217	1464.4							
	OBS	00201	02.86	34.33	27.38		1464.5							
	OBS	00226	01.92	34.28	27.42		1460.7							
	STD	00250	01.80	34.30	27.45	00.251	1460.5							
	OBS	00251	01.80	34.30	27.45		1460.6							
	OBS	00276	01.84	34.36	27.49		1461.2							
	STD	00300	02.09	34.45	27.54	00.282	1462.5							
	OBS	00300	02.10	34.45	27.55		1462.9							
	OBS	00350	02.42	34.56	27.61		1465.3							
	STD	00400	03.04	34.69	27.65	00.334	1468.9							
	OBS	00401	03.05	34.69	27.65		1469.0							
	OBS	00451	03.27	34.75	27.68		1470.9							
	OBS	00458	03.30	34.76	27.69		1471.1							

REFID 31 8454 YEAR 1975 BOTOP 00201 AIR TEMP 04.0 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SO 1306
 CONSEC 0011 MONTH 04 SHIP EV WET BULB 03.9 20 3 7 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2
 LAT 43 27.2N DAY 09 DATA USE 1 BAROMETER 1003.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 26.7W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 700 12 1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.8	STD	00000	00.55	32.89	26.40	00.000	1448.9							
	OBS	00005	00.55	32.89	26.40		1449.0							
	STD	00010	00.41	32.86	26.38	00.016	1448.4							
	OBS	00011	00.36	32.84	26.37		1448.1							
	OBS	00019	00.21	32.79	26.34		1447.4							
	STD	00020	- 0.35	32.82	26.39	00.033	1445.0							
	OBS	00020	- 0.42	32.83	26.40		1444.7							
	STD	00030	- 0.57	32.95	26.50	00.049	1444.3							
	OBS	00030	- 0.58	32.95	26.50		1444.3							
	STD	00050	- 0.79	32.96	26.51	00.080	1443.6							
	OBS	00051	- 0.82	32.96	26.52		1443.5							
	OBS	00072	- 1.44	33.10	26.65		1441.1							
	STD	00075	- 1.42	33.11	26.65	00.116	1441.3							
	OBS	00076	- 1.41	33.11	26.66		1441.4							
	OBS	00099	- 1.30	33.30	26.81		1442.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 8454 YEAR 1975 BOTOP 00080 AIR TEMP 02.9 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306
 CONSEC 0012 MONTH 04 SHIP EV WET BULB 02.4 21 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
 LAT 43 34.2N DAY 05 DATA USE 1 BAROMETER 0994.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 26 W HOUR 15.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRG 011 701 10 1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.2	STD	00000	02.19	32.40	25.90	00.000	1455.5							
	OBS	00001	02.19	32.40	25.90		1455.6							
	STD	00010	02.00	32.43	25.96	00.021	1454.9							
	OBS	00011	01.97	32.40	25.96		1454.8							
	OBS	00013	01.55	32.41	25.95		1452.5							
	OBS	00015	00.45	32.70	26.24		1449.3							
	STD	00020	00.52	32.87	26.39	00.035	1449.1							
	OBS	00020	00.33	32.91	26.43		1448.2							
	OBS	00022	- 0.25	32.99	26.52		1445.7							
	STD	00030	- 0.53	33.13	26.65	00.055	1444.7							
	OBS	00030	- 0.55	33.14	26.65		1444.7							
	STD	00050	- 0.49	33.18	26.65	00.082	1444.4							
	OBS	00051	- 0.70	33.18	26.69		1444.4							
	OBS	00070	- 0.86	33.22	26.73		1444.0							

REFID 31 8454 YEAR 1975 BOTOP 00053 AIR TEMP 02.9 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306
 CONSEC 0013 MONTH 04 SHIP EV WET BULB 02.8 29 2 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2
 LAT 43 43 N DAY 09 DATA USE 1 BAROMETER 1000.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 36.5W HOUR 20.8 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRG 011 702 09 1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.8	STD	00000	02.05	32.34	25.86	00.000	1454.8							
	OBS	00001	02.05	32.34	25.86		1454.9							
	STD	00010	02.04	32.35	25.87	00.021	1455.1							
	OBS	00011	02.04	32.35	25.87		1455.1							
	OBS	00015	01.92	32.32	25.86		1454.5							
	STD	00020	00.50	32.72	26.27	00.041	1448.8							
	OBS	00020	00.32	32.78	26.32		1448.0							
	STD	00030	00.06	32.98	26.50	00.057	1447.3							
	OBS	00030	00.05	32.99	26.50		1447.2							
	OBS	00040	- 0.10	33.02	26.54		1446.7							
	OBS	00045	- 0.10	33.03	26.54		1446.8							

REFID 31 8454 YEAR 1975 BOTOP 00100 AIR TEMP 02.4 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306
 CONSEC 0014 MONTH 04 SHIP EV WET BULB 02.4 29 2 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LAT 43 42.8N DAY 09 DATA USE 1 BAROMETER 1002.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 30 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRG 011 703 1 1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	STD	00000	02.16	32.43	25.93	00.000	1455.5							
	OBS	00001	02.16	32.43	25.93		1455.5							
	STD	00010	02.13	32.44	25.94	00.021	1455.5							
	OBS	00013	02.12	32.45	25.95		1455.5							
	STD	00020	01.48	32.58	26.09	00.041	1453.0							
	OBS	00020	01.38	32.62	26.13		1452.6							
	OBS	00024	00.92	32.86	26.39		1450.9							
	STD	00030	00.48	32.95	26.45	00.058	1449.1							
	OBS	00030	00.43	32.94	26.44		1448.9							
	OBS	00036	- 0.12	33.06	26.57		1446.6							
	STD	00050	- 0.76	33.13	26.65	00.088	1444.0							
	OBS	00051	- 0.80	33.13	26.65		1443.8							
	OBS	00059	- 0.96	33.15	26.67		1443.2							
	STD	00075	- 0.90	33.18	26.70	00.123	1443.6							
	OBS	00076	- 0.90	33.18	26.70		1443.9							
	OBS	00095	- 0.89	33.19	26.70		1444.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454 YEAR 1975 BOTDP 00131 AIR TEMP 05.8 DIR MGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
 CONSEC 0015 MONTH 04 SNIP EV WET BULB 04.3 00 X X WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LAT 43 39 N DAY 10 DATA USE 1 BARCHETR 1003.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 28.5W HOUR 01.3 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG 011 704 1 SQUARE 36

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.3	STD	00000	00.89	32.74	26.28	00.000	1450.2							
	085	00003	00.89	32.74	26.28		1450.3							
	085	00009	00.71	32.79	26.30		1449.6							
	STD	00010	00.50	32.78	26.32	00.017	1448.7							
	085	00011	00.07	32.82	26.37		1448.8							
	085	00013	- 0.14	32.92	26.46		1448.0							
	STD	00020	- 0.40	32.92	26.47	00.034	1444.9							
	085	00020	- 0.44	32.92	26.47		1448.7							
	085	00028	- 0.87	32.99	26.54		1442.5							
	STD	00030	- 0.90	32.98	26.54	00.045	1442.8							
	085	00030	- 0.91	32.98	26.54		1442.8							
	085	00040	- 1.14	33.04	26.59		1441.9							
	STD	00050	- 1.17	33.07	26.61	00.078	1442.0							
	085	00051	- 1.18	33.07	26.62		1442.0							
	STD	00075	- 1.31	33.14	26.67	00.114	1441.9							
	085	00076	- 1.31	33.14	26.68		1441.5							
	STD	00100	- 1.32	33.21	26.74	00.147	1442.3							
	085	00100	- 1.33	33.22	26.74		1442.3							
	085	00106	- 1.40	33.27	26.79		1442.1							
	085	00121	- 1.39	33.29	26.80		1442.5							

REFID 31 8454 YEAR 1975 BOTDP 00380 AIR TEMP WET BULB DIR MGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
 CONSEC 0016 MONTH 04 SNIP EV WET BULB 00 X X WIND-SPD 10 TRACE DIR D 5 SQUARE 2
 LAT 43 32.2N DAY 10 DATA USE 1 BARCHETR 1002.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 28
 LONG 049 16 W HOUR 04.2 AREA 05 CLOUD T/A CL/TR WEATHER 00 ORIG 011 705 1 SQUARE 39

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.2	STD	00000	- 0.13	32.86	26.41	00.000	1445.7							
	085	00001	- 0.13	32.86	26.41		1445.8							
	STD	00010	- 0.10	32.87	26.41	00.016	1446.0							
	085	00011	- 0.10	32.87	26.42		1446.1							
	STD	00020	- 0.12	32.88	26.42	00.032	1446.1							
	085	00020	- 0.14	32.88	26.43		1446.0							
	085	00026	- 0.34	32.89	26.44		1445.2							
	STD	00030	- 0.62	32.90	26.46	00.048	1444.0							
	085	00030	- 0.66	32.90	26.46		1443.8							
	STD	00050	- 1.19	32.99	26.55	00.079	1441.8							
	085	00051	- 1.21	33.00	26.56		1441.7							
	STD	00075	- 1.36	33.27	26.79	00.113	1441.8							
	085	00076	- 1.37	33.28	26.79		1441.8							
	085	00087	- 1.46	33.32	26.83		1441.6							
	STD	00100	- 1.37	33.37	26.86	00.144	1442.3							
	085	00100	- 1.39	33.37	26.87		1442.4							
	STD	00125	- 1.34	33.54	27.00	00.172	1443.1							
	085	00125	- 1.30	33.54	27.00		1443.3							
	085	00131	- 0.83	33.55	26.99		1445.6							
	085	00133	- 0.80	33.62	27.05		1445.9							
	085	00135	- 0.36	33.66	27.06		1448.0							
	085	00137	- 0.31	33.71	27.10		1448.3							
	085	00140	00.66	33.86	27.17		1453.0							
	085	00146	01.33	33.96	27.20		1457.2							
	085	00148	01.82	33.99	27.20		1458.5							
	STD	00150	02.16	34.02	27.20	00.197	1460.1							
	085	00152	02.70	34.08	27.20		1462.6							
	085	00158	04.20	34.29	27.22		1469.3							
	085	00169	03.22	34.16	27.22		1465.2							
	085	00171	03.54	34.22	27.23		1466.7							
	085	00177	04.81	34.38	27.23		1472.3							
	STD	00200	04.09	34.45	27.36	00.237	1466.8							
	085	00201	04.05	34.45	27.37		1469.6							
	085	00224	03.72	34.44	27.39		1468.6							
	085	00230	03.95	34.49	27.41		1469.7							
	STD	00250	03.93	34.45	27.41	00.274	1470.0							
	085	00251	03.92	34.45	27.41		1470.0							
	085	00253	03.91	34.45	27.41		1470.0							
	085	00258	03.61	34.46	27.42		1468.7							
	085	00276	03.29	34.41	27.41		1467.6							
	STD	00300	02.66	34.41	27.47	00.307	1468.3							
	085	00302	02.61	34.41	27.47		1465.1							
	085	00338	02.47	34.46	27.52		1465.2							
	085	00342	02.68	34.49	27.53		1466.2							
	085	00350	02.71	34.46 P	27.50Q									
	085	00361	02.66	34.48	27.52		1466.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
REFID 31 0434	YEAR 1975	BOATP 01207	AIR TEMP 01.0	DIR PGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306							
CONSEC 0017	MONTH 04	SHIP EV	WET BULB 00.0	14 2 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2							
LA* 43 24.3N	DAY 10	DATA USE 1	BAROMETER 1001.5	SEA	WIND-FJR	DURATION 00.4	2 SQUARE 28							
LONG 049 04.3W	HOOR 07.1	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	ORIG 011 706	1 SQUARE 36							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.1	STD	C0000	04.28	33.74	26.79	00.000	1466.4							
	OBS	00001	04.28	33.74	26.79		1466.4							
	STD	00010	04.28	33.74	26.79	00.013	1466.5							
	OBS	00011	04.28	33.74	26.79		1466.6							
	STD	00020	04.48	33.91	26.89	00.025	1467.7							
	OBS	C0020	04.50	33.92	26.90		1467.8							
	STD	00030	04.42	34.04	26.98	00.036	1468.7							
	OBS	00030	04.43	34.05	26.99		1468.7							
	STD	00050	05.05	34.19	27.05	00.057	1470.9							
	OBS	00051	05.09	34.20	27.05		1471.2							
	STD	00075	04.14	34.48	27.15	00.082	1476.2							
	OBS	00076	04.16	34.49	27.15		1476.3							
	STD	00100	04.02	34.51	27.18	00.105	1476.2							
	OBS	00100	04.01	34.51	27.19		1476.1							
	STD	00125	05.54	34.57	27.29	00.126	1476.7							
	OBS	00125	05.54	34.57	27.29		1474.7							
	STD	00150	05.49	34.65	27.37	00.146	1475.9							
	OBS	00150	05.49	34.69	27.37		1475.5							
	STD	00175	05.35	34.66	27.39		1474.9							
	OBS	00178	05.29	34.63	27.37		1474.7							
	STD	00180	04.89	34.59	27.38		1473.0							
	OBS	00200	04.65	34.55	27.41	00.182	1472.3							
	STD	00201	04.64	34.59	27.41		1472.3							
	OBS	00224	04.56	34.62	27.45		1472.4							
	STD	00250	03.86	34.60	27.50	00.214	1469.8							
	OBS	C0253	03.76	34.60	27.51		1469.6							
	STD	00277	03.43	34.61	27.56		1468.5							
	OBS	00300	03.35	34.61	27.56	00.244	1468.5							
	STD	00302	03.34	34.61	27.56		1468.5							
	OBS	00335	03.72	34.73	27.62		1470.8							
	STD	00340	04.06	34.81	27.65		1472.5							
	OBS	00350	04.07	34.81	27.65		1472.7							
	STD	00400	04.39	34.86	27.65	00.296	1474.9							
	OBS	00401	04.40	34.86	27.65		1475.0							
	STD	00451	04.41	34.90	27.68		1475.5							
	OBS	C0500	04.40	34.92	27.70	00.343	1476.7							
	STD	00502	04.40	34.92	27.70		1476.7							
	OBS	00550	04.34	34.96	27.74		1477.3							
	STD	00600	04.30	34.95	27.74	00.388	1478.0							
	OBS	00603	04.29	34.95	27.74		1478.0							
	STD	00651	03.55	34.95	27.77		1477.5							
	OBS	00700	03.99	34.93	27.75	00.431	1478.3							
	STD	C0700	03.99	34.93	27.75		1478.3							
	OBS	00750	03.84	34.91	27.75		1478.5							
	STD	00800	03.66	34.89	27.76	00.473	1478.5							
	OBS	00801	03.66	34.89	27.76		1478.5							
	STD	00850	03.56	34.88	27.76		1478.9							
	OBS	00900	03.48	34.88	27.77	00.515	1479.4							
	STD	00900	03.48	34.88	27.77		1479.4							
	OBS	00953	03.45	34.87	27.76		1480.1							
	STD	01000	03.44	34.87	27.76	00.557	1480.9							
	OBS	01001	03.44	34.87	27.76		1480.5							
	STD	01018	03.45	34.87	27.76		1481.2							
	OBS													

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454	YEAR 1975	DOTDP 02105	AIR TEMP 03.1	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN 50 1306
CONSEC 0018	MONTH 04	SHIP EV	WET BULB 02.7	06 2 2	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 43 15.5N	DAY 10	DATA USE 1	BAROMETR 1000.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 47.3W	MOOR 09.7	AREA 05	CLOUD T/A	CL/TR	WEATHER K4	ORIS 011 707	1 SQUARE 38

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.7	STD	00000	01.90	33.27	26.62	00.000	1455.5							
	OBS	00001	01.90	33.27	26.62		1455.5							
	OBS	00009	01.87	33.26	26.61		1455.5							
	STD	00010	01.85	33.27	26.62	00.014	1455.4							
	OBS	00011	01.79	33.29	26.64		1455.2							
	STD	00020	01.24	33.37	26.74	00.028	1453.0							
	OBS	00020	01.19	33.38	26.75		1452.8							
	STD	00030	00.83	33.45	26.84	00.041	1451.4							
	OBS	00030	00.82	33.46	26.84		1451.4							
	OBS	00043	00.65	33.66	27.01		1451.1							
	STD	00050	00.66	33.71	27.05	00.063	1451.3							
	OBS	00051	00.67	33.72	27.06		1451.4							
	STD	00075	00.42	34.02	27.28	00.086	1453.3							
	OBS	00076	00.43	34.03	27.29		1453.4							
	STD	00100	01.30	34.16	27.57	00.105	1455.7							
	OBS	00100	01.32	34.17	27.58		1455.8							
	STD	00125	01.84	34.43	27.55	00.121	1458.8							
	OBS	00125	01.85	34.43	27.55		1458.9							
	STD	00150	02.03	34.46	27.56	00.134	1460.1							
	OBS	00150	02.03	34.46	27.56		1460.1							
	OBS	00175	02.27	34.53	27.59		1461.8							
	STD	00200	02.86	34.65	27.64	00.160	1464.7							
	OBS	00201	02.86	34.65	27.64		1464.9							
	OBS	00205	02.89	34.65	27.64		1465.0							
	OBS	00226	03.43	34.75	27.65		1468.7							
	STD	00250	03.52	34.75	27.66	00.183	1468.6							
	OBS	00251	03.52	34.75	27.66		1468.6							
	OBS	00281	03.63	34.79	27.68		1469.7							
	STD	00300	03.66	34.81	27.69	00.204	1470.1							
	OBS	00300	03.66	34.81	27.69		1470.1							
	OBS	00331	03.82	34.87	27.72		1471.4							
	OBS	00342	04.20	34.92	27.72		1473.2							
	OBS	00352	04.24	34.92	27.72		1473.6							
	STD	00400	04.42	34.95	27.72	00.245	1475.1							
	OBS	00401	04.42	34.95	27.72		1475.2							
	OBS	00451	04.29	34.95	27.74		1475.4							
	STD	00500	04.18	34.95	27.75	00.291	1475.8							
	OBS	00500	04.18	34.95	27.75		1475.8							
	OBS	00550	04.11	34.94	27.75		1476.3							
	STD	00600	04.16	34.97	27.77	00.331	1477.4							
	OBS	00601	04.16	34.97	27.77		1477.4							
	OBS	00651	04.16	34.97	27.77		1478.2							
	STD	00700	04.03	34.94	27.76	00.372	1478.4							
	OBS	00702	04.02	34.94	27.76		1478.5							
	OBS	00750	03.90	34.94	27.77		1478.7							
	STD	00800	03.66	34.91	27.77	00.413	1478.5							
	OBS	00803	03.65	34.91	27.77		1478.5							
	OBS	00852	03.59	34.90	27.77		1479.1							
	STD	00900	03.48	34.89	27.77	00.454	1479.4							
	OBS	00900	03.48	34.89	27.77		1479.4							
	OBS	00953	03.43	34.89	27.78		1480.1							
	STD	01000	03.43	34.89	27.78	00.495	1480.9							
	OBS	01001	03.43	34.89	27.78		1480.9							
	OBS	01016	03.43	34.89	27.78		1481.1							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 8454	YEAR 1975	BOTDP 02758	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1306							
CONSEC 0019	MONTH 04	SHIP EV	MET BULB 06.0	12 1 2	WIND-SPD 14	TRACE DIR	5 SQUARE 2							
LAT 43 02.2N	DAY 10	DATA USE 1	BAROMETER 0996.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28							
LONG 048 26.5W	HOOR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 708 13	1 SQUARE 38							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	OXVG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	STD	C0000	05.31	34.00	26.87	00.000	1471.0							
	OBS	00001	05.31	34.00	26.87		1471.0							
	STD	00010	05.38	34.03	26.88	00.012	1471.4							
	OBS	00013	05.41	34.03	26.88		1471.6							
	OBS	00017	05.38	34.03	26.88		1471.6							
	OBS	00019	04.95	33.98	26.89		1469.8							
	STD	00020	04.87	33.97	26.90	00.024	1469.4							
	OBS	00020	04.81	33.97	26.90		1469.2							
	OBS	00022	04.71	34.00	26.94		1468.9							
	OBS	00024	04.47	33.99	26.96		1467.9							
	STD	00030	04.31	34.03	27.00	00.035	1467.3							
	OBS	00030	04.30	34.03	27.01		1467.3							
	STD	00050	04.47	34.08	27.03	00.056	1468.4							
	OBS	00051	04.49	34.05	27.03		1468.5							
	STD	00075	05.08	34.25	27.13	00.081	1471.6							
	OBS	00076	05.11	34.30	27.13		1471.8							
	STD	00100	04.24	34.33	27.25	00.103	1468.6							
	OBS	00100	04.21	34.33	27.25		1468.5							
	OBS	00102	04.85	34.43	27.26		1471.3							
	OBS	00112	04.67	34.41	27.27		1470.7							
	OBS	00116	04.31	34.38	27.28		1469.2							
	STD	00125	04.66	34.49	27.33	00.123	1471.0							
	OBS	00125	04.68	34.49	27.33		1471.1							
	OBS	00131	04.49	34.50	27.36		1470.4							
	STD	00150	04.86	34.59	27.39	00.142	1472.3							
	OBS	00152	04.86	34.60	27.40		1472.4							
	OBS	00175	04.41	34.59	27.44		1470.6							
	OBS	00177	04.31	34.57	27.43		1470.5							
	OBS	00196	03.36	34.50	27.47		1466.7							
	STD	00200	03.37	34.51	27.48	00.175	1466.8							
	OBS	00201	03.38	34.52	27.49		1466.9							
	OBS	00220	03.70	34.60	27.52		1468.7							
	OBS	00222	03.57	34.58	27.52		1468.1							
	OBS	00226	03.63	34.60	27.53		1468.5							
	OBS	00241	03.92	34.63	27.52		1470.0							
	OBS	00243	04.18	34.70	27.55		1471.2							
	STD	00250	04.32	34.72	27.55	00.205	1471.9							
	OBS	00251	04.34	34.72	27.55		1472.0							
	OBS	00276	04.54	34.76	27.56		1473.3							
	OBS	00279	04.48	34.78	27.58		1473.2							
	STD	00300	04.75	34.82	27.58	00.233	1474.7							
	OBS	00300	04.76	34.82	27.58		1474.7							
	OBS	00350	04.88	34.93	27.66		1476.2							
	STD	00400	04.91	34.97	27.68	00.284	1477.2							
	OBS	00401	04.91	34.97	27.68		1477.2							
	OBS	00424	04.63	34.95	27.70		1476.4							
	OBS	00453	04.56	34.95	27.70		1476.7							
	STD	00500	04.41	34.96	27.73	00.329	1476.8							
	OBS	00500	04.41	34.96	27.73		1476.8							
	OBS	00552	04.43	34.98	27.75		1477.7							
	STD	00600	04.31	34.96	27.74	00.372	1478.0							
	OBS	00601	04.31	34.96	27.74		1478.0							
	OBS	00652	04.24	34.97	27.76		1478.6							
	STD	00700	04.16	34.96	27.76	00.414	1479.0							
	OBS	00721	04.12	34.96	27.76		1479.2							
	OBS	00725	04.13	34.96	27.76		1479.3							
	OBS	00727	04.11	34.96	27.76		1479.3							
	OBS	00750	04.07	34.95	27.76		1479.5							
	STD	00800	03.95	34.95	27.77	00.456	1480.0							
	OBS	00803	03.95	34.95	27.77		1480.0							
	OBS	00850	03.93	34.94	27.77		1480.6							
	STD	00900	03.51	34.94	27.77	00.467	1481.3							
	OBS	00951	03.88	34.95	27.78		1482.0							
	OBS	00970	04.16	34.98	27.77		1483.4							
	OBS	00977	03.91	34.96	27.79		1482.4							
	STD	01000	03.84	34.95	27.78	00.535	1482.7							
	OBS	01001	03.84	34.95	27.78		1482.7							
	OBS	01024	03.82	34.95	27.79		1483.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA														
REFID	31	8-54	YEAR	1975	BO TOP	03404	AIR TEMP	09.1	DIR	MGT	PER	WIND-DIR	05	INST STD RECORDER
CONSEC	0020	MONTH	04	SHIP EV	MET BULB	07.1	SEA	15	2	3	WIND-SPD	10	TRACE DIR	DURATION
LA	42 47.1N	DAY	10	DATA USE	1	BAROMETER	0991.8	CL/TA	WIND-FOR	00.4	ORIG	011 709	10	1 SQUARE 28
LONG	048 02 W	HOUR	15.9	AREA	05	CLOUD T/A								
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.9	STD	00000	03.36	33.09	26.35	00.000	1461.6							
	OBS	00003	03.36	33.09	26.35		1461.6							
	OBS	00005	03.38	33.09	26.35		1461.7							
	STD	00010	03.04	33.06	26.36	00.017	1460.3							
	OBS	00011	02.93	33.05	26.36		1459.8							
	OBS	00013	03.07	33.21	26.47		1460.7							
	OBS	00017	00.99	33.03	26.49		1451.3							
	OBS	00019	00.74	33.16	26.61		1450.4							
	STD	00020	00.77	33.16	26.60	00.032	1450.6							
	OBS	00020	00.80	33.16	26.60		1450.7							
	OBS	00024	- 0.37	33.12	26.63		1449.4							
	OBS	00028	- 0.97	33.12	26.65		1442.7							
	STD	00030	- 1.00	33.21	26.72	00.046	1442.7							
	OBS	00030	- 1.01	33.24	26.75		1442.7							
	OBS	00047	- 1.23	33.41	26.89		1442.2							
	STD	00050	- 1.15	33.45	26.93	00.071	1442.6							
	OBS	00051	- 1.07	33.47	26.94		1443.1							
	OBS	00055	- 0.69	33.48	26.93		1444.9							
	OBS	00059	- 0.90	33.50	26.96		1444.0							
	OBS	00060	- 0.75	33.57	27.01		1444.8							
	OBS	00064	00.72	33.65	27.00		1451.8							
	OBS	00066	00.90	33.73	27.05		1452.7							
	OBS	00068	00.99	33.75	27.06		1453.2							
	OBS	00070	00.87	33.78	27.10		1452.7							
	OBS	00074	01.40	33.94	27.17		1456.3							
	STD	00075	01.47	33.94	27.18	00.056	1455.7							
	OBS	00079	01.33	33.94	27.19		1455.2							
	OBS	00083	02.07	34.01	27.20		1458.6							
	OBS	00091	04.99	34.39	27.21		1471.7							
	OBS	00095	05.27	34.42	27.21		1472.9							
	STD	00100	05.21	34.43	27.22	00.118	1472.8							
	OBS	00100	05.20	34.45	27.24		1472.8							
	OBS	00104	06.36	34.62	27.23		1477.7							
	OBS	00110	06.78	34.76	27.28		1479.7							
	OBS	00112	07.15	34.82	27.28		1481.2							
	OBS	00123	07.34	34.82	27.25		1482.2							
	STD	00125	07.20	34.79	27.25	00.140	1481.6							
	OBS	00125	07.13	34.78	27.25		1481.3							
	OBS	00131	04.18	34.65	27.27		1477.5							
	OBS	00142	05.46	34.58	27.28		1475.5							
	OBS	00146	05.31	34.52	27.28		1474.1							
	STD	00150	04.72	34.45	27.30	00.161	1471.6							
	OBS	00154	03.78	34.34	27.31		1467.6							
	OBS	00158	02.74	34.21	27.30		1463.0							
	OBS	00161	02.61	34.19	27.30		1462.5							
	OBS	00165	02.02	34.15	27.31		1459.9							
	OBS	00175	01.99	34.25	27.39		1460.1							
	OBS	00180	03.45	34.48	27.43		1467.7							
	OBS	00190	05.13	34.65	27.44		1474.3							
	OBS	00194	05.37	34.74	27.45		1475.4							
	STD	00200	04.85	34.68	27.46	00.157	1473.3							
	OBS	00201	04.84	34.66	27.45		1473.2							
	OBS	00209	05.56	34.84	27.50		1476.5							
	OBS	00217	05.78	34.87	27.50		1477.6							
	OBS	00222	06.63	35.02	27.51		1481.3							
	OBS	00226	06.65	35.02	27.50		1481.4							
	OBS	00236	06.63	35.02	27.51		1481.5							
	OBS	00241	06.17	34.97	27.53		1479.7							
	OBS	00243	06.19	34.96	27.52		1475.8							
	OBS	00245	05.97	34.91	27.51		1478.9							
	STD	00250	05.06	34.81	27.54	00.228	1475.1							
	OBS	00250	04.66	34.76	27.55		1473.5							
	OBS	00260	04.63	34.75	27.54		1473.4							
	OBS	00262	04.34	34.69	27.53		1472.2							
	OBS	00276	04.16	34.70	27.55		1471.7							
	STD	00300	04.30	34.77	27.59	00.256	1472.8							
	OBS	00300	04.31	34.77	27.59		1472.8							
	OBS	00336	04.57	34.84	27.62		1474.6							
	OBS	00348	04.84	34.87	27.61		1475.5							
	OBS	00350	04.77	34.87	27.62		1475.7							
	OBS	00384	04.74	34.92	27.66		1476.2							
	OBS	00397	04.16	34.84	27.66		1473.9							
	STD	00400	04.18	34.85	27.67	00.307	1474.0							
	OBS	00403	04.22	34.86	27.67		1474.2							
	OBS	00451	04.43	34.93	27.71		1476.0							
	STD	00500	04.42	34.94	27.71	00.353	1476.8							
	OBS	00500	04.42	34.94	27.71		1476.8							
	OBS	00550	04.42	34.95	27.72		1477.6							
	STD	00600	04.29	34.95	27.74	00.397	1477.9							
	OBS	00601	04.29	34.95	27.74		1477.5							
	OBS	00651	04.20	34.95	27.75		1478.4							
	STD	00700	04.18	34.96	27.76	00.435	1479.1							
	OBS	00700	04.18	34.96	27.76		1479.1							
	OBS	00750	04.11	34.96	27.76		1479.7							
	STD	00800	04.06	34.95	27.76	00.482	1480.3							
	OBS	00801	04.06	34.95	27.76		1480.3							
	OBS	00852	04.11	34.97	27.77		1481.4							
	STD	00900	04.02	34.95	27.77	00.524	1481.8							
	OBS	00900	04.02	34.95	27.77		1481.8							
	OBS	00951	03.55	34.95	27.77		1481.3							
	STD	01000	03.85	34.95	27.78	00.567	1482.7							
	OBS	01001	03.85	34.95	27.78		1482.7							
	OBS	01024	03.90	34.95	27.78		1483.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

H O D C S T A T I O N D A T A

REFID 31 0454 YEAR 1975 BOTDP 03037 AIR TEMP 06.2 DIR HGT PER WIND-DIR 15 INST STC RECORDER TEN SO 1306
 CONSEC 0321 MONTH 04 SHIP EV WET BULB 05.2 15 2 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
 LAT 42 37 N DAY 10 DATA USE 1 BAROMETR 0987.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 26
 LONG 047 44.8W HOUR 18.7 AREA 05 CLCUD T/A CL/TR WEATHER X2 DRIS 011 710 08 1 SQUARE 27

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHO VEL	GRV	PG4	TOT P	NO2	NO3	SIO3	PH
18.7	STD	00000	02.00	32.92	26.33	00.000	1455.4							
	OBS	00001	02.00	32.72	26.33		1455.4							
	OBS	00003	01.59	32.88	26.33		1453.6							
	OBS	00007	02.90	33.18	26.47		1459.8							
	STD	00010	04.51	33.37	26.46	00.016	1467.0							
	OBS	00011	04.84	33.42	26.46		1468.4							
	OBS	00015	03.48	33.32	26.52		1462.6							
	OBS	00017	02.85	33.30	26.57		1459.9							
	STD	00020	03.27	33.38	26.59	00.032	1461.9							
	OBS	00024	03.90	33.50	26.63		1464.8							
	OBS	00028	04.38	33.59	26.65		1467.0							
	STD	00030	02.56	33.40	26.67	00.046	1459.0							
	OBS	00030	02.18	33.36	26.67		1457.3							
	OBS	00032	02.02	33.36	26.68		1456.4							
	OBS	00038	- 1.02	33.30	26.80		1462.8							
	OBS	00040	- 1.21	33.28	26.79		1461.9							
	OBS	00043	00.71	33.44	26.85		1451.1							
	STD	00050	00.45	33.55	26.92	00.071	1451.1							
	OBS	00051	00.64	33.55	26.92		1451.0							
	OBS	00059	- 0.93	33.48	26.94		1443.8							
	OBS	00064	- 0.19	33.60	27.01		1447.5							
	OBS	00066	00.09	33.62	27.01		1446.9							
	OBS	00070	00.35	33.69	27.05		1450.2							
	OBS	00074	01.38	33.76	27.05		1455.0							
	STD	00075	01.33	33.75	27.04	00.098	1454.8							
	OBS	00076	01.04	33.72	27.04		1453.6							
	OBS	00097	00.74	33.81	27.13		1452.6							
	OBS	00099	00.87	33.82	27.13		1453.2							
	STD	00100	01.05	33.84	27.13	00.123	1454.1							
	OBS	00104	01.67	33.92	27.15		1457.0							
	OBS	00119	01.33	33.96	27.21		1455.9							
	OBS	00123	01.60	34.00	27.22		1457.2							
	STD	00125	01.51	34.00	27.23	00.145	1456.8							
	OBS	00125	01.48	34.00	27.23		1456.7							
	OBS	00131	01.71	34.09	27.29		1457.5							
	OBS	00137	02.52	34.18	27.30		1461.7							
	OBS	00139	02.55	34.19	27.30		1461.8							
	OBS	00144	03.63	34.38	27.35		1466.8							
	OBS	00146	03.61	34.29	27.280 ⁴									
	STD	00150	04.07	34.49	27.40	00.165	1468.9							
	OBS	00156	04.60	34.57	27.40		1471.4							
	OBS	00173	04.12	34.48	27.38		1469.5							
	OBS	00177	02.87	34.35	27.40		1464.1							
	OBS	00186	02.83	34.37	27.42		1464.1							
	OBS	00198	03.20	34.41	27.42		1465.5							
	STD	00200	02.46	34.30	27.40	00.200	1462.6							
	OBS	00201	01.96	34.23	27.38		1460.4							
	OBS	00211	02.04	34.36	27.48		1461.0							
	OBS	00218	05.14	34.78	27.50		1475.0							
	OBS	00226	05.17	34.79	27.51		1475.2							
	OBS	00234	04.18	34.65	27.51		1471.0							
	OBS	00236	03.94	34.60	27.50		1469.9							
	OBS	00243	02.91	34.48	27.50		1465.5							
	STD	00250	02.75	34.49	27.52	00.232	1465.1							
	OBS	00251	02.70	34.49	27.53		1464.8							
	OBS	00255	02.33	34.46	27.53		1463.2							
	OBS	00276	02.19	34.46	27.55		1462.9							
	OBS	00293	02.42	34.50	27.56		1464.2							
	STD	00300	04.35	34.80	27.61	00.260	1473.0							
	OBS	00300	04.53	34.83	27.62		1473.8							
	OBS	00329	04.83	34.87	27.61		1475.6							
	OBS	00333	04.60	34.84	27.62		1474.6							
	OBS	00348	04.93	34.92	27.64		1476.4							
	OBS	00350	04.93	34.92	27.64		1476.4							
	OBS	00362	05.19	34.99	27.67		1478.1							
	STD	00400	04.88	34.95	27.67	00.310	1477.0							
	OBS	00403	04.83	34.94	27.67		1476.9							
	OBS	00453	04.67	34.96	27.70		1477.1							
	STD	00500	04.55	34.96	27.72	00.356	1477.3							
	OBS	00500	04.55	34.96	27.72		1477.4							
	OBS	00550	04.34	34.95	27.73		1477.3							
	STD	00600	04.24	34.94	27.73	00.400	1477.7							
	OBS	00601	04.24	34.94	27.73		1477.7							
	OBS	00651	04.12	34.96	27.75		1478.0							
	STD	00700	04.00	34.93	27.75	00.443	1478.3							
	OBS	00700	04.00	34.93	27.75		1478.3							
	OBS	00751	03.90	34.91	27.75		1478.7							
	STD	00800	03.81	34.91	27.76	00.485	1479.2							
	OBS	00801	03.81	34.91	27.76		1479.2							
	OBS	00850	03.75	34.90	27.75		1479.7							
	STD	00900	03.73	34.90	27.76	00.528	1480.5							
	OBS	00902	03.73	34.90	27.76		1480.5							
	OBS	00951	03.63	34.85	27.76		1480.9							
	STD	01000	03.47	34.87	27.76	00.571	1481.0							
	OBS	01001	03.47	34.87	27.76		1481.0							
	OBS	01018	03.47	34.87	27.76		1481.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFIC 31	8454	YEAR 1973	SOTOP 03812	AIR TEMP 12.5	DIA MGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306						
CDHSEC	0022	MONTH 04	S-IP EV	MET BULB 11.5	26 2 3	WIND-SPD 11	TRACE DIR	5 SQUARE 2						
LAT 42	23.54	DAY 10	DATA USE 1	BAROMETR 0998.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26						
LONG 047	22.54	MOOR 22-1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIF 011 711	1 SQUARE 27						
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.1	STD	00000	11.27	34.84	26.62	00.000	1494.7							
	OBS	00001	11.27	34.84	26.62		1494.8							
	STD	00010	11.29	34.87	26.64	00.014	1495.0							
	OBS	00011	11.29	34.91	26.67		1495.1							
	OBS	00017	11.78	35.19	26.80		1497.2							
	OBS	00019	12.34	35.44	26.88		1499.6							
	STD	00020	12.63	35.51	26.88	00.027	1500.6							
	OBS	00024	13.48	35.75	26.89		1503.8							
	STD	00030	13.62	35.78	26.89	00.036	1504.4							
	OBS	00030	13.63	35.78	26.88		1504.4							
	STD	00050	13.64	35.78	26.88	00.063	1504.8							
	OBS	00051	13.64	35.78	26.88		1504.8							
	STD	00075	13.47	35.74	26.89	00.093	1504.6							
	OBS	00076	13.46	35.74	26.89		1504.6							
	OBS	00095	13.11	35.64	26.88		1503.6							
	STD	00100	12.87	35.58	26.89	00.123	1502.8							
	OBS	00100	12.83	35.57	26.89		1502.7							
	STD	00125	12.48	35.54	26.94	00.152	1501.9							
	OBS	00129	12.44	35.54	26.94		1501.8							
	STD	00150	12.31	35.52	26.95	00.181	1501.7							
	OBS	00150	12.31	35.52	26.95		1501.7							
	OBS	00152	12.37	35.53	26.95		1501.9							
	OBS	00159	11.87	35.45	26.98		1500.2							
	OBS	00163	11.62	35.37	26.97		1499.3							
	OBS	00175	11.60	35.39	26.99		1499.4							
	STD	00200	11.52	35.40	27.01	00.238	1499.6							
	OBS	00201	11.50	35.40	27.01		1499.5							
	OBS	00226	11.02	35.36	27.07		1498.2							
	OBS	00249	10.50	35.33	27.14		1496.7							
	STD	00250	10.46	35.31	27.14	00.290	1496.5							
	OBS	00257	09.77	35.14	27.12		1493.9							
	OBS	00264	08.64	35.00	27.20		1489.7							
	OBS	00270	07.85	34.83	27.18		1486.6							
	OBS	00277	07.80	34.86	27.21		1486.5							
	OBS	00279	07.74	34.84	27.21		1486.3							
	OBS	00283	06.98	34.72	27.22		1483.3							
	OBS	00297	06.54	34.74	27.24		1483.3							
	STD	00300	06.74	34.69	27.23	00.338	1482.5							
	OBS	00300	06.70	34.68	27.23		1482.4							
	OBS	00308	06.65	34.72	27.27		1482.4							
	OBS	00317	05.45	34.53	27.27		1477.5							
	OBS	00319	05.45	34.54	27.28		1477.5							
	OBS	00327	04.59	34.46	27.27		1475.6							
	OBS	00350	05.19	34.51	27.29		1476.9							
	OBS	00357	05.65	34.66	27.35		1479.1							
	OBS	00367	06.39	34.78	27.35		1482.4							
	OBS	00371	06.49	34.76	27.3200									
	OBS	00376	07.07	34.92	27.37		1485.4							
	OBS	00380	07.17	34.92	27.35		1485.5							
	OBS	00390	07.03	34.92	27.37		1485.5							
	OBS	00397	07.28	35.01	27.41		1486.7							
	STD	00400	07.08	34.98	27.41	00.420	1485.9							
	OBS	00411	06.39	34.86	27.41		1483.2							
	OBS	00426	06.40	34.87	27.42		1483.5							
	OBS	00447	05.49	34.80	27.48		1480.1							
	OBS	00451	05.45	34.79	27.48		1480.0							
	OBS	00466	05.16	34.76	27.49		1479.0							
	OBS	00470	04.93	34.75	27.51		1478.1							
	STD	00500	05.20	34.83	27.54	00.488	1479.8							
	OBS	00500	05.20	34.83	27.54		1479.9							
	OBS	00552	05.54	34.93	27.58		1482.2							
	STD	00600	05.24	34.92	27.61	00.547	1481.8							
	OBS	00605	05.20	34.92	27.61		1481.7							
	OBS	00651	04.86	34.95	27.67		1481.1							
	STD	00700	04.76	34.98	27.71	00.599	1481.6							
	OBS	00702	04.76	34.98	27.71		1481.6							
	OBS	00750	04.68	34.97	27.71		1482.0							
	STD	00800	04.57	34.98	27.73	00.646	1482.4							
	OBS	00803	04.56	34.98	27.73		1482.4							
	OBS	00852	04.47	34.99	27.75		1482.5							
	STD	00900	04.42	34.98	27.75	00.652	1483.5							
	OBS	00900	04.42	34.98	27.75		1483.5							
	OBS	00951	04.33	34.98	27.76		1484.0							
	STD	01000	04.27	34.98	27.76	00.737	1484.5							
	OBS	01001	04.27	34.98	27.76		1484.5							
	OBS	01024	04.20	34.97	27.76		1484.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 8454	YEAR 1975	WOTOP 04350	AIR TEMP 11.1	DIA HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306								
CONSEC 0023	MONTH 04	SHIP EV	WET BULB 10.1	16 3 4	WIND-SPD 06	TRACE DIR C	5 SQUARE 2								
LA" 42 10.7N	DAY 11	DATA USE 1	BAROMETER 0597.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26								
LONG 046 58.5W	MOUR 01.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIP .011 712	1 SQUARE 26								
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH	
	STD	00000	09.59	34.17	26.39	00.000	1487.8								
01.5	OBS	00007	09.59	34.17	26.39		1487.9								
	STD	00010	09.59	34.17	26.39	00.016	1488.0								
	OBS	00013	09.59	34.17	26.39		1488.0								
	STD	00020	09.63	34.26	26.46	00.033	1488.4								
	OBS	00020	09.63	34.27	26.46		1488.4								
	OBS	00022	09.66	34.25	26.48		1487.8								
	OBS	00028	09.03	34.20	26.51		1486.3								
	STD	00030	08.94	34.20	26.52	00.048	1485.9								
	OBS	00030	08.91	34.20	26.53		1485.8								
	OBS	00038	08.28	34.10	26.55		1483.4								
	OBS	00040	08.12	34.10	26.57		1482.9								
	OBS	00043	09.56	34.58	26.72		1485.0								
	OBS	00045	09.56	34.58	26.72		1485.0								
	OBS	00049	10.17	34.80	26.79		1491.6								
	STD	00050	10.02	34.78	26.80	00.076	1491.0								
	OBS	00051	09.70	34.74	26.82		1489.8								
	OBS	00055	09.63	34.75	26.84		1489.6								
	OBS	00059	10.84	35.03	26.85		1494.4								
	OBS	00060	10.57	35.06	26.85		1494.9								
	OBS	00064	12.11	35.34	26.85		1499.3								
	OBS	00068	11.87	35.31	26.87		1498.5								
	OBS	00070	11.61	35.24	26.87		1497.6								
	OBS	00072	11.58	35.22	26.86		1497.5								
	OBS	00074	10.99	35.11	26.88		1495.3								
	STD	00075	10.97	35.11	26.89	00.107	1495.2								
	OBS	00076	10.93	35.12	26.90		1495.1								
	OBS	00097	09.56	34.87	26.94		1490.2								
	STD	00100	09.57	34.92	26.98	00.136	1490.3								
	OBS	00100	09.59	34.93	26.99		1490.5								
	OBS	00108	10.06	35.04	26.99		1492.4								
	OBS	00123	09.57	34.96	27.01		1490.8								
	STD	00125	09.47	34.93	27.01	00.163	1490.4								
	OBS	00131	08.91	34.81	27.00		1488.3								
	OBS	00135	08.48	34.76	27.03		1486.7								
	OBS	00148	08.27	34.86	27.14		1486.2								
	STD	00150	08.40	34.89	27.15	00.185	1486.8								
	OBS	00158	09.05	35.03	27.15		1489.5								
	STD	00200	08.90	35.04	27.19	00.236	1489.7								
	OBS	00237	08.77	35.05	27.21		1485.8								
	STD	00250	08.04	34.93	27.23	00.282	1487.1								
	OBS	00251	08.01	34.93	27.24		1487.0								
	OBS	00255	07.96	34.94	27.25		1486.9								
	OBS	00268	07.74	34.93	27.28		1486.2								
	OBS	00276	07.40	34.87	27.28		1485.0								
	OBS	00283	07.14	34.83	27.29		1484.0								
	STD	00300	07.10	34.85	27.31	00.324	1484.2								
	OBS	00300	07.10	34.85	27.31		1484.2								
	OBS	00306	08.19	35.09	27.34		1488.8								
	OBS	00323	07.97	35.06	27.35		1488.2								
	OBS	00331	07.41	34.95	27.37		1486.1								
	OBS	00336	07.05	34.92	27.37		1484.7								
	OBS	00350	06.80	34.91	27.40		1483.9								
	OBS	00386	06.60	34.94	27.45		1483.7								
	OBS	00399	06.10	34.85	27.44		1481.9								
	STD	00400	06.12	34.86	27.44	00.401	1481.9								
	OBS	00407	06.56	34.98	27.48		1484.0								
	OBS	00453	06.15	34.96	27.52		1483.1								
	STD	00500	05.58	34.92	27.56	00.466	1481.5								
	OBS	00500	05.58	34.92	27.56		1481.5								
	OBS	00550	05.52	34.95	27.59		1482.1								
	STD	00600	05.53	35.03	27.66	00.522	1483.1								
	OBS	00601	05.53	35.03	27.66		1483.1								
	OBS	00652	04.97	34.98	27.68		1481.6								
	STD	00700	04.90	34.99	27.70	00.573	1482.1								
	OBS	00700	04.90	34.99	27.70		1482.1								
	OBS	00750	04.86	35.01	27.72		1482.8								
	STD	00800	04.67	34.99	27.73	00.621	1482.9								
	OBS	00801	04.67	34.99	27.73		1482.9								
	OBS	00852	04.52	34.99	27.74		1483.1								
	STD	00900	04.47	34.99	27.75	00.667	1483.7								
	OBS	00900	04.47	34.99	27.75		1483.7								
	OBS	00953	04.40	34.99	27.76		1484.3								
	STD	01000	04.40	34.99	27.76	00.712	1485.1								
	OBS	01005	04.40	34.99	27.76		1485.1								
	OBS	01012	04.31	34.98	27.76		1484.6								
	OBS	01018	04.31	34.99	27.77		1485.0								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOYD 04480	AIR TEMP 04.6	DIR PGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 04	SHIP EV	WET BULB 04.1	83 4 4	WIND-SPD 28	TRACE DIR	5 SQUARE 2
LA* 43 02.5N	DAY 11	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 046 16 W	HOUR 10.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 713	1 SQUARE 36

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DXVG	PO4	TDT P	NO2	NO3	S103	PH
10.9	STD	00000	13.85	35.54	26.65	00.000	1504.4							
	OBS	00005	13.85	35.54	26.65		1504.5							
	STD	00010	13.93	35.57	26.66	00.014	1504.8							
	OBS	00011	13.94	35.58	26.67		1504.9							
	STD	00020	13.88	35.54	26.65	00.028	1504.8							
	OBS	00020	13.88	35.54	26.65		1504.8							
	STD	00030	13.94	35.58	26.66	00.042	1505.2							
	OBS	00030	13.94	35.58	26.67		1505.2							
	OBS	00034	13.91	35.52	26.63		1505.1							
	OBS	00036	14.05	35.68	26.72		1505.8							
	OBS	00038	14.27	35.68	26.67		1506.5							
	STD	00050	14.84	35.86	26.69	00.070	1508.8							
	OBS	00051	14.85	35.88	26.69		1509.0							
	STD	00075	15.20	36.03	26.74	00.104	1510.5							
	OBS	00076	15.21	36.03	26.74		1510.6							
	STD	00100	14.65	35.90	26.76	00.137	1509.0							
	OBS	00100	14.64	35.90	26.76		1509.0							
	OBS	00116	14.57	35.92	26.79		1509.1							
	OBS	00123	14.76	35.99	26.80		1509.9							
	STD	00125	14.77	35.99	26.80	00.170	1509.9							
	OBS	00125	14.77	35.99	26.80		1509.9							
	STD	00150	14.05	35.82	26.83	00.202	1507.8							
	OBS	00150	14.04	35.82	26.83		1507.8							
	OBS	00175	13.31	35.68	26.87		1505.6							
	STD	00200	12.81	35.60	26.91	00.264	1504.3							
	OBS	00201	12.80	35.60	26.92		1504.3							
	OBS	00226	12.94	35.66	26.93		1505.2							
	STD	00250	12.69	35.60	26.94	00.323	1504.7							
	OBS	00251	12.68	35.60	26.94		1504.7							
	OBS	00276	12.54	35.60	26.97		1504.6							
	STD	00300	12.11	35.51	26.98	00.382	1503.4							
	OBS	00300	12.10	35.51	26.98		1503.4							
	OBS	00350	11.51	35.48	27.07		1502.1							
	STD	00400	10.30	35.32	27.17	00.450	1498.4							
	OBS	00401	10.27	35.32	27.17		1498.4							
	OBS	00409	10.14	35.31	27.19		1498.0							
	OBS	00415	09.92	35.28	27.20		1497.3							
	OBS	00434	09.45	35.22	27.24		1495.8							
	OBS	00441	08.86	35.11	27.25		1493.6							
	OBS	00447	08.57	35.05	27.25		1492.5							
	OBS	00449	08.52	35.05	27.25		1492.3							
	OBS	00454	08.25	34.96	27.25		1491.3							
	OBS	00456	08.14	34.98	27.26		1490.9							
	OBS	00462	07.66	34.91	27.27		1489.1							
	OBS	00474	07.39	34.93	27.33		1488.3							
	OBS	00475	07.65	34.98	27.33		1489.4							
	OBS	00485	06.51	35.14	27.34		1493.0							
	STD	00500	08.31	35.12	27.34	00.582	1492.5							
	OBS	00502	08.10	35.08	27.34		1491.7							
	OBS	00510	07.12	34.91	27.35		1487.8							
	OBS	00514	06.85	34.86	27.35		1486.7							
	OBS	00550	06.64	34.95	27.45		1486.6							
	STD	00600	05.99	34.90	27.50	00.658	1484.8							
	OBS	00601	05.97	34.90	27.50		1484.7							
	OBS	00651	05.56	34.91	27.56		1483.5							
	OBS	00660	05.13	34.84	27.55		1482.2							
	OBS	00679	05.13	34.94	27.63		1482.7							
	STD	00700	05.36	34.97	27.63	00.720	1484.0							
	OBS	00700	05.36	34.97	27.63		1484.0							
	OBS	00753	05.47	35.03	27.66		1485.4							
	STD	00800	05.23	35.02	27.65	00.774	1485.2							
	OBS	00801	05.22	35.02	27.69		1485.2							
	OBS	00850	04.97	35.01	27.71		1485.0							
	STD	00900	04.56	34.96	27.72	00.824	1484.0							
	OBS	00900	04.56	34.96	27.72		1484.0							
	OBS	00951	04.56	34.98	27.73		1484.9							
	OBS	00957	04.29	34.94	27.73		1484.5							
	STD	01000	04.29	34.94	27.73	00.872	1484.5							
	OBS	01001	04.29	34.94	27.73		1484.6							
	OBS	01024	04.43	34.97	27.74		1485.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 8454 YEAR 1975 BOTDP 03984 AIR TEMP 04.5 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
 CONSEC 0025 MONTH 04 SNIP EV MET BULB 03. 20 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LAT 43 08.2N DAY 11 DATA USE 1 BAROMETR 1011.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 26
 LONG 046 44.8W HOUR 14.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 714 07 1 SQUARE 36

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.8	STD	00000	04.07	33.68	26.75	00.000	1465.4							
	OBS	00005	04.07	33.68	26.75		1465.5							
	STD	00010	04.07	33.68	26.75	00.013	1465.5							
	OBS	00011	04.06	33.68	26.75		1465.5							
	STD	00020	03.99	33.67	26.75	00.024	1465.4							
	OBS	00020	03.98	33.67	26.75		1465.3							
	STD	00030	03.84	33.65	26.75	00.035	1464.9							
	OBS	00030	03.82	33.70	26.79		1464.8							
	OBS	00034	03.63	33.76	26.86		1464.2							
	OBS	00038	03.39	33.73	26.86		1463.2							
	OBS	00040	03.16	33.67	26.83		1462.1							
	OBS	00049	02.21	33.67	26.91		1458.2							
	STD	00050	02.26	33.70	26.93	00.063	1458.5							
	OBS	00051	02.41	33.74	26.97		1459.2							
	OBS	00055	02.77	33.80	26.97		1460.5							
	OBS	00066	03.10	33.80	26.94		1462.5							
	OBS	00070	02.98	33.75	26.91		1462.0							
	STD	00075	02.51	33.66	26.88	00.092	1459.9							
	OBS	00076	02.35	33.65	26.89		1459.2							
	OBS	00078	02.04	33.64	26.90		1457.9							
	OBS	00079	01.96	33.81	27.04		1457.8							
	OBS	00081	02.30	33.86	27.06		1459.4							
	OBS	00085	02.36	33.85	27.04		1459.7							
	OBS	00087	02.03	33.75	26.99		1458.1							
	OBS	00091	01.84	33.83	27.07		1457.5							
	STD	00100	01.90	33.88	27.11	00.115	1457.9							
	OBS	00100	01.91	33.89	27.11		1458.0							
	OBS	00116	02.33	34.14	27.28		1460.4							
	OBS	00118	02.69	34.19	27.29		1462.1							
	OBS	00121	02.77	34.19	27.28		1462.5							
	STD	00125	02.97	34.24	27.30	00.141	1463.5							
	OBS	00127	03.09	34.27	27.32		1464.1							
	OBS	00137	03.32	34.37	27.37		1465.4							
	OBS	00140	03.58	34.38	27.36		1466.6							
	OBS	00146	03.94	34.44	27.37		1468.3							
	STD	00150	04.38	34.49	27.37	00.160	1470.2							
	OBS	00154	04.74	34.54	27.36		1471.9							
	OBS	00171	04.23	34.50	27.39		1470.0							
	OBS	00175	04.31	34.54	27.41		1470.4							
	OBS	00177	04.35	34.52	27.39		1470.6							
	OBS	00182	02.66	34.32	27.39		1463.2							
	OBS	00186	02.22	34.27	27.39		1461.3							
	OBS	00199	02.66	34.36	27.43		1463.6							
	STD	00200	02.69	34.36	27.43	00.195	1463.7							
	OBS	00205	03.84	34.56	27.47		1469.0							
	OBS	00226	03.73	34.57	27.49		1468.9							
	OBS	00245	03.63	34.57	27.50		1468.8							
	OBS	00249	04.32	34.74	27.57		1472.0							
	STD	00250	04.34	34.74	27.57	00.226	1472.0							
	OBS	00251	04.37	34.74	27.56		1472.2							
	OBS	00260	04.66	34.76	27.55		1473.6							
	OBS	00264	04.09	34.68	27.54		1471.2							
	OBS	00272	04.22	34.73	27.57		1471.9							
	OBS	00276	04.64	34.75	27.57		1473.8							
	OBS	00279	04.61	34.78	27.57		1473.7							
	OBS	00281	04.43	34.74	27.56		1472.9							
	OBS	00285	04.04	34.68	27.55		1471.3							
	OBS	00287	04.01	34.72	27.58		1471.3							
	OBS	00291	03.74	34.67	27.57		1470.1							
	STD	00300	03.81	34.71	27.59	00.253	1470.6							
	OBS	00300	03.82	34.71	27.60		1470.7							
	OBS	00354	04.15	34.80	27.63		1473.0							
	STD	00400	04.36	34.87	27.66	00.304	1474.8							
	OBS	00401	04.36	34.87	27.67		1474.8							
	OBS	00451	04.41	34.91	27.69		1475.5							
	STD	00500	04.46	34.95	27.72	00.350	1476.9							
	OBS	00502	04.46	34.95	27.72		1477.0							
	OBS	00550	04.47	34.96	27.73		1477.8							
	STD	00600	04.45	34.98	27.74	00.393	1478.6							
	OBS	00601	04.45	34.98	27.74		1478.6							
	OBS	00652	04.31	34.96	27.74		1478.9							
	OBS	00656	04.05	34.92	27.74		1477.8							
	STD	00700	03.95	34.92	27.75	00.436	1478.1							
	OBS	00700	03.95	34.92	27.75		1478.1							
	OBS	00750	04.11	34.95	27.76		1479.6							
	STD	00800	03.98	34.94	27.76	00.478	1479.9							
	OBS	00801	03.98	34.94	27.76		1479.9							
	OBS	00852	03.89	34.94	27.77		1480.4							
	STD	00900	03.82	34.92	27.76	00.521	1480.5							
	OBS	00900	03.82	34.92	27.76		1480.9							
	OBS	00955	03.62	34.90	27.77		1480.9							
	STD	01000	03.53	34.89	27.77	00.563	1481.3							
	OBS	01001	03.53	34.89	27.77		1481.3							
	OBS	01037	03.48	34.89	27.77		1481.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454	YEAR 1975	BOTOP 03904	AIR TEMP 04.0	DIR HGT PER 22 2 2	WIND-DIR 22	INST STD RECORD	TEM SO 1966
CONSEC 0024	MONTH 04	SHIP EV	NET BULS 04.0		WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 43 17.2N	DAY 11	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FOR 11	DURATION 00.4	2 SQUARE 26
LONG 047 10 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TH	WEATHER 11	ORIG 011 715 10	1 SQUARE 27

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTR	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIG3	PH
18.2	STD	00000	07.58	34.52	26.98	00.000	1480.7							
	OBS	00003	07.58	34.52	26.98		1480.7							
	STD	00010	07.58	34.52	26.98	00.011	1480.9							
	OBS	00011	07.58	34.53	26.99		1480.5							
	STD	00020	07.73	34.61	27.03	00.022	1481.7							
	OBS	00020	07.74	34.61	27.03		1481.8							
	OBS	00026	07.80	34.59	27.00		1482.1							
	STD	00030	07.67	34.56	27.00	00.032	1481.6							
	OBS	00030	07.61	34.54	26.99		1481.3							
	OBS	00032	07.28	34.43	26.95		1479.9							
	OBS	00036	06.50	34.28	26.94		1476.7							
	OBS	00038	05.91	34.22	26.97		1474.3							
	OBS	00040	05.58	34.25	27.03		1473.0							
	OBS	00043	05.45	34.22	27.03		1472.5							
	OBS	00047	05.17	34.30	27.12		1471.6							
	STD	00050	05.70	34.44	27.17	00.052	1474.0							
	OBS	00051	05.92	34.48	27.17		1474.9							
	OBS	00053	06.10	34.48	27.15		1475.7							
	OBS	00059	05.78	34.46	27.18		1474.4							
	OBS	00064	06.56	34.59	27.18		1477.8							
	STD	00075	06.40	34.52	27.14	00.075	1477.3							
	OBS	00076	06.38	34.51	27.14		1477.2							
	STD	00100	05.86	34.50	27.20	00.098	1475.5							
	OBS	00100	05.85	34.50	27.20		1475.5							
	OBS	00106	05.85	34.49	27.19		1475.6							
	OBS	00123	05.33	34.45	27.25		1473.7							
	STD	00125	05.85	34.58	27.26	00.120	1476.0							
	OBS	00125	05.94	34.59	27.26		1476.4							
	OBS	00127	05.61	34.51	27.24		1474.9							
	OBS	00139	05.27	34.45	27.23		1473.7							
	OBS	00148	04.71	34.41	27.26		1471.5							
	STD	00150	04.67	34.42	27.27	00.141	1471.3							
	OBS	00150	04.66	34.42	27.28		1471.3							
	OBS	00163	04.67	34.48	27.32		1471.6							
	OBS	00167	05.00	34.55	27.34		1473.2							
	OBS	00175	05.44	34.62	27.34		1475.2							
	OBS	00178	06.35	34.83	27.39		1479.2							
	STD	00200	06.29	34.82	27.40	00.179	1479.3							
	OBS	00201	06.28	34.82	27.40		1479.3							
	OBS	00211	06.37	34.88	27.43		1479.9							
	OBS	00215	06.23	34.83	27.41		1479.3							
	OBS	00217	05.49	34.69	27.39		1476.2							
	OBS	00226	05.35	34.75	27.46		1475.8							
	STD	00250	04.34	34.65	27.49	00.213	1471.9							
	OBS	00251	04.33	34.64	27.49		1471.9							
	OBS	00272	04.75	34.74	27.52		1474.1							
	OBS	00277	05.22	34.82	27.53		1476.2							
	STD	00300	05.48	34.88	27.54	00.244	1477.8							
	OBS	00300	05.49	34.88	27.54		1477.8							
	OBS	00306	05.04	34.82	27.55		1476.0							
	OBS	00310	04.92	34.84	27.58		1475.6							
	OBS	00317	04.52	34.77	27.57		1474.0							
	OBS	00342	04.22	34.80	27.63		1473.2							
	OBS	00352	04.63	34.85	27.62		1475.1							
	STD	00400	05.60	35.05	27.66	00.258	1480.1							
	OBS	00401	05.61	35.05	27.66		1480.2							
	OBS	00435	05.33	35.01	27.67		1479.6							
	OBS	00445	05.01	34.99	27.69		1478.4							
	OBS	00453	04.69	34.93	27.68		1477.1							
	STD	00500	04.48	34.96	27.72	00.344	1477.1							
	OBS	00500	04.48	34.96	27.72		1477.1							
	OBS	00552	04.54	34.98	27.73		1478.3							
	STD	00600	04.45	34.98	27.74	00.388	1478.6							
	OBS	00601	04.45	34.98	27.74		1478.6							
	OBS	00651	04.43	34.95	27.75		1479.4							
	STD	00700	04.34	34.98	27.76	00.430	1479.8							
	OBS	00702	04.34	34.98	27.76		1479.9							
	OBS	00750	04.25	34.99	27.77		1480.3							
	STD	00800	04.20	34.97	27.76	00.473	1480.9							
	OBS	00801	04.20	34.97	27.76		1480.9							
	OBS	00850	04.09	34.97	27.77		1481.3							
	STD	00900	04.02	34.96	27.77	00.515	1481.8							
	OBS	00900	04.02	34.96	27.77		1481.8							
	OBS	00951	03.95	34.95	27.77		1482.3							
	STD	01000	03.92	34.95	27.78	00.557	1483.0							
	OBS	01001	03.92	34.95	27.78		1483.0							
	OBS	01022	03.93	34.96	27.78		1483.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 0454	YEAR 1975	BOTOP 03452	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0027	MONTH 04	SHIP EV	WET BULB 04.2	20 2 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 43 23.9N	DAY 11	DATA USE 1	BAROMETER 1010.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 38 W	HOUR 21.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	DRIP 011 716 09	1 SQUARE 37

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPT	SND VEL	DRVC	PO4	TOT P	NO2	NO3	S103	PH
21.2	STD	00000	09.89	35.18	27.13		1490.2							
	OBS	00001	09.89	35.18	27.13	00.000	1490.3							
	OBS	00003	10.02	35.20	27.12		1490.8							
	OBS	00005	11.04	35.37	27.07		1494.7							
	OBS	00009	11.31	35.43	27.07		1495.8							
	STD	00010	11.32	35.43	27.07	00.010	1495.8							
	OBS	00011	11.33	35.42	27.06		1495.9							
	STD	00020	11.40	35.44	27.06	00.020	1496.3							
	OBS	00020	11.40	35.44	27.06		1496.3							
	STD	00030	11.43	35.45	27.06	00.030	1496.6							
	OBS	00030	11.43	35.45	27.06		1496.6							
	STD	00050	11.33	35.45	27.08	00.050	1496.5							
	OBS	00051	11.33	35.45	27.08		1496.6							
	STD	00075	11.36	35.47	27.09	00.075	1497.1							
	OBS	00076	11.36	35.47	27.09		1497.1							
	STD	00100	11.02	35.39	27.10	00.100	1496.2							
	OBS	00100	11.01	35.39	27.10		1496.2							
	OBS	00123	10.75	35.33	27.10		1495.5							
	STD	00125	10.64	35.29	27.08	00.125	1495.1							
	OBS	00127	10.45	35.22	27.08		1494.4							
	OBS	00131	10.22	35.16	27.06		1493.5							
	OBS	00135	09.66	35.09	27.10		1491.5							
	OBS	00137	09.64	35.04	27.06		1491.4							
	OBS	00136	09.25	35.02	27.11		1489.9							
	STD	00150	09.11	35.01	27.13	00.150	1489.6							
	OBS	00150	09.11	35.01	27.13		1489.6							
	OBS	00169	09.02	35.02	27.15		1489.6							
	OBS	00173	09.05	35.18	27.17		1492.2							
	OBS	00177	09.73	35.18	27.16		1492.5							
	OBS	00182	09.91	35.22	27.16		1493.3							
	OBS	00198	09.91	35.22	27.16		1493.6							
	STD	00200	09.58	35.17	27.18	00.198	1492.3							
	OBS	00203	09.10	35.09	27.19		1490.5							
	OBS	00211	08.66	34.96	27.16		1488.8							
	OBS	00217	07.61	34.83	27.22		1484.8							
	OBS	00226	07.42	34.88	27.25		1484.3							
	STD	00250	07.46	34.90	27.29	00.243	1484.8							
	OBS	00251	07.46	34.90	27.30		1484.8							
	OBS	00276	07.48	34.97	27.35		1485.4							
	STD	00300	07.43	34.99	27.37	00.283	1485.6							
	OBS	00300	07.42	34.95	27.37		1485.6							
	OBS	00325	06.89	34.89	27.37		1483.8							
	OBS	00329	06.28	34.76	27.35		1481.3							
	OBS	00335	05.72	34.73	27.40		1479.1							
	OBS	00344	05.86	34.83	27.46		1490.0							
	OBS	00350	06.18	34.87	27.45		1481.4							
	OBS	00365	05.63	34.79	27.45		1479.3							
	OBS	00373	05.20	34.72	27.45		1477.6							
	OBS	00378	04.62	34.65	27.46		1475.2							
	OBS	00382	04.41	34.63	27.47		1474.4							
	STD	00400	04.52	34.74	27.54	00.351	1475.3							
	OBS	00401	04.61	34.75	27.54		1475.7							
	OBS	00407	05.04	34.79	27.53		1477.6							
	OBS	00422	04.97	34.79	27.53		1477.6							
	OBS	00428	05.40	34.88	27.55		1479.5							
	OBS	00434	05.58	34.91	27.56		1480.4							
	OBS	00445	05.15	34.86	27.57		1478.8							
	OBS	00453	05.06	34.84	27.56		1478.5							
	OBS	00456	05.00	34.84	27.57		1478.3							
	OBS	00464	04.44	34.76	27.57		1476.0							
	OBS	00476	04.29	34.77	27.56		1475.6							
	OBS	00479	04.00	34.74	27.60		1474.4							
	STD	00500	04.15	34.79	27.62	00.407	1475.4							
	OBS	00500	04.15	34.79	27.63		1475.5							
	OBS	00552	04.58	34.65	27.71		1478.3							
	STD	00600	04.39	34.95	27.70	00.456	1479.1							
	OBS	00605	04.59	34.65	27.70		1479.2							
	OBS	00651	04.65	34.98	27.72		1480.3							
	STD	00700	04.55	34.98	27.73	00.502	1480.7							
	OBS	00702	04.54	34.98	27.73		1480.7							
	OBS	00750	04.42	34.98	27.75		1481.0							
	STD	00800	04.33	34.97	27.75	00.546	1481.4							
	OBS	00803	04.32	34.97	27.75		1481.4							
	OBS	00850	04.18	34.96	27.76		1481.6							
	STD	00900	04.09	34.96	27.77	00.590	1482.1							
	OBS	00902	04.08	34.96	27.77		1482.1							
	OBS	00953	03.85	34.94	27.78		1481.9							
	STD	01000	03.89	34.94	27.77	00.633	1482.9							
	OBS	01001	03.89	34.94	27.77		1482.9							
	OBS	01027	03.86	34.94	27.77		1483.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
PEPID 31 0454	YEAR 1975	BJTOP 03422	AIR TEMP 06.4	DIR MGT PER	WIND-DIR 25	INST STC RECORDER	TEN 56 1306							
CONSEC 0020	MONTH 04	SHIP 04	WET BULB 06.0	25 2 3	WIND-SPD 16	TRACE DIR	5 SQUARE 2							
LAT 43 32.44	DAY 12	DATA USE 1	BAROMETER 1012.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28							
LONG 048 03.04	HOUR 00.0	AREA 05	CLOUD T/A	CL/TP	WEATHER K2	ORIG 011 717	1 SQUARE 38							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	11.95	35.56	27.05	00.000	1498.0							
	OBS	00001	11.95	35.56	27.05		1498.0							
	STD	00010	11.96	35.56	27.05	00.010	1498.2							
	OBS	00011	11.96	35.56	27.05		1498.2							
	STD	00020	11.96	35.57	27.06	00.020	1498.4							
	OBS	00020	11.96	35.57	27.06		1498.4							
	STD	00030	11.97	35.57	27.06	00.031	1498.6							
	OBS	00030	11.97	35.57	27.06		1498.6							
	STD	00050	11.99	35.57	27.05	00.051	1499.0							
	OBS	00051	11.99	35.57	27.05		1499.0							
	STD	00075	11.98	35.58	27.06	00.077	1499.4							
	OBS	00076	11.98	35.58	27.06		1499.4							
	STD	00100	11.92	35.57	27.07	00.103	1499.6							
	OBS	00100	11.92	35.57	27.07		1499.6							
	STD	00125	11.97	35.60	27.08	00.128	1500.2							
	OBS	00125	11.97	35.60	27.08		1500.2							
	STD	00150	11.97	35.58	27.06	00.154	1500.6							
	OBS	00150	11.97	35.58	27.06		1500.6							
	STD	00177	11.60	35.51	27.08		1499.6							
	OBS	00200	11.42	35.48	27.09	00.206	1499.3							
	STD	00203	11.38	35.47	27.09		1499.3							
	OBS	00224	11.09	35.40	27.09		1498.5							
	STD	00247	11.06	35.39	27.08		1498.8							
	OBS	00250	10.87	35.35	27.09	00.258	1498.1							
	STD	00253	10.43	35.30	27.09		1497.2							
	OBS	00276	09.89	35.20	27.15		1494.8							
	STD	00285	09.30	35.15	27.21		1492.7							
	OBS	00289	08.94	35.05	27.19		1491.3							
	STD	00300	08.68	35.04	27.22	00.307	1490.5							
	OBS	00302	08.62	35.04	27.23		1490.3							
	STD	00334	08.00	35.01	27.30		1488.5							
	OBS	00344	07.71	34.96	27.31		1487.4							
	STD	00352	07.67	34.97	27.32		1487.4							
	OBS	00367	07.46	34.97	27.35		1486.8							
	STD	00375	07.66	35.00	27.34		1487.8							
	OBS	00376	07.24	34.94	27.36		1486.1							
	STD	00400	07.17	34.93	27.36	00.392	1486.2							
	OBS	00403	07.05	34.93	27.38		1485.8							
	STD	00407	06.89	34.89	27.37		1485.2							
	OBS	00416	06.30	34.84	27.41		1482.9							
	STD	00451	06.01	34.89	27.49		1482.4							
	OBS	00481	05.74	34.86	27.50		1481.8							
	STD	00487	05.35	34.81	27.50		1480.2							
	OBS	00500	06.16	34.99	27.55	00.463	1483.9							
	STD	00502	06.28	35.02	27.55		1484.5							
	OBS	00552	05.86	34.98	27.58		1483.6							
	STD	00567	05.54	34.96	27.60		1482.5							
	OBS	00574	05.26	34.91	27.59		1481.4							
	STD	00600	04.94	34.90	27.62	00.521	1480.5							
	OBS	00601	04.92	34.90	27.63		1480.5							
	STD	00609	05.06	34.93	27.63		1481.2							
	OBS	00616	04.86	34.91	27.64		1480.5							
	STD	00651	04.66	34.94	27.67		1481.1							
	OBS	00700	04.60	34.95	27.70	00.573	1480.8							
	STD	00704	04.59	34.95	27.70		1480.9							
	OBS	00750	04.59	34.97	27.72		1481.7							
	STD	00800	04.53	34.97	27.73	00.620	1482.2							
	OBS	00803	04.52	34.97	27.73		1482.3							
	STD	00850	04.34	34.95	27.73		1482.3							
	OBS	00900	04.31	34.98	27.76	00.665	1483.0							
	STD	00902	04.31	34.98	27.76		1483.0							
	OBS	00953	04.23	34.97	27.76		1483.6							
	STD	01000	04.11	34.96	27.77	00.709	1483.8							
	OBS	01003	04.10	34.96	27.77		1483.8							
	STD	01027	04.07	34.95	27.76		1484.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA														
REFID 31 0434	YEAR 1975	BOTOP 03015	AIR TEMP 05.0	DIA MGT PER	WIND-DIR 26	INST STD RECORDER	TEN SO 1306							
CONSEC 0025	MONTH 04	SHIP EV	WET BULB 03.9	00 X X	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2							
LAT 43 42 N	DAY 12	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20							
LONG 048 27 W	HOUR 02.6	AREA 05	CLOUD T/A	CL/TA	WEATHER X6	ORE 011 710	1 SQUARE 30							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
02.6	STD	00000	11.27	35.40	27.06	00.000	1495.4							
	OBS	00003	11.27	35.40	27.06		1495.5							
	STD	00010	11.27	35.40	27.06	00.010	1495.6							
	OBS	00011	11.27	35.40	27.06		1495.6							
	STD	00020	11.28	35.40	27.05	00.020	1495.8							
	OBS	00020	11.28	35.40	27.05		1495.8							
	STD	00030	11.30	35.41	27.06	00.031	1496.0							
	OBS	00030	11.30	35.41	27.06		1496.1							
	STD	00050	11.29	35.41	27.06	00.051	1496.3							
	OBS	00051	11.29	35.41	27.06		1496.4							
	STD	00075	11.22	35.42	27.08	00.076	1496.5							
	OBS	00076	11.22	35.42	27.08		1496.5							
	STD	00100	11.33	35.45	27.08	00.102	1497.3							
	OBS	00100	11.33	35.45	27.08		1497.4							
	STD	00125	10.83	35.33	27.08	00.127	1495.8							
	OBS	00125	10.82	35.33	27.08		1495.8							
	STD	00150	10.47	35.28	27.11	00.152	1496.6							
	OBS	00152	10.45	35.28	27.11		1496.9							
	OBS	00175	10.43	35.27	27.11		1495.2							
	STD	00200	09.94	35.17	27.12	00.202	1493.7							
	OBS	00201	09.91	35.17	27.12		1493.6							
	OBS	00224	05.64	35.20	27.19		1493.0							
	OBS	00226	09.41	35.15	27.19		1492.1							
	OBS	00234	09.23	35.10	27.18		1491.5							
	OBS	00237	08.60	34.99	27.19		1489.1							
	OBS	00249	08.12	34.91	27.21		1487.4							
	STD	00250	08.02	34.90	27.21	00.250	1487.0							
	OBS	00255	07.42	34.81	27.23		1486.6							
	OBS	00268	07.58	34.89	27.27		1485.6							
	OBS	00276	07.32	34.85	27.28		1484.6							
	STD	00300	06.74	34.80	27.32	00.293	1482.7							
	OBS	00304	06.60	34.77	27.31		1482.2							
	OBS	00310	06.42	34.72	27.30		1481.5							
	OBS	00323	05.33	34.59	27.33		1477.1							
	OBS	00325	05.31	34.65	27.38		1477.2							
	OBS	00340	06.01	34.79	27.41		1480.4							
	OBS	00348	06.37	34.88	27.43		1482.1							
	OBS	00354	07.03	35.00	27.44		1485.0							
	OBS	00357	07.01	34.99	27.43		1485.0							
	OBS	00363	06.69	34.92	27.42		1483.7							
	OBS	00367	06.33	34.87	27.43		1482.3							
	OBS	00369	06.28	34.88	27.44		1482.1							
	OBS	00375	05.83	34.82	27.45		1480.3							
	OBS	00384	05.85	34.86	27.48		1480.6							
	OBS	00388	05.65	34.79	27.45		1479.8							
	OBS	00397	05.02	34.73	27.48		1477.3							
	STD	00400	05.00	34.75	27.50	00.366	1477.3							
	OBS	00401	04.66	34.76	27.51		1477.3							
	OBS	00420	05.17	34.78	27.50		1478.3							
	OBS	00424	04.75	34.72	27.50		1476.6							
	OBS	00439	04.61	34.77	27.56		1476.3							
	OBS	00453	05.52	34.95	27.56		1480.5							
	OBS	00462	05.51	34.92	27.57		1480.6							
	OBS	00472	04.84	34.83	27.58		1477.9							
	STD	00500	05.11	34.91	27.62	00.425	1479.6							
	OBS	00502	05.13	34.92	27.62		1479.7							
	OBS	00552	05.26	34.98	27.65		1481.1							
	STD	00600	04.86	34.96	27.68	00.477	1480.3							
	OBS	00603	04.84	34.96	27.68		1480.3							
	OBS	00652	04.77	34.99	27.72		1480.8							
	STD	00700	04.63	34.98	27.72	00.525	1481.0							
	OBS	00700	04.63	34.98	27.72		1481.0							
	OBS	00751	04.41	34.98	27.75		1481.0							
	STD	00800	04.43	34.99	27.75	00.570	1481.9							
	OBS	00801	04.43	34.99	27.75		1481.5							
	STD	00900	04.13	34.96	27.76	00.613	1482.2							
	OBS	00900	04.13	34.96	27.76		1482.2							
	OBS	00951	04.07	34.94	27.77		1482.8							
	STD	01000	03.82	34.92	27.76	00.657	1482.6							
	OBS	01001	03.82	34.92	27.76		1482.6							
OBS	01024	03.77	34.92	27.77		1482.7								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0656	YEAR 1975	BOTDP 01944	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEM SO 1306							
CONSEC 0030	MONTH 04	SHIP EV	WET BULB 00.8	00 X X	WIND-SPD 06	TRACE DIR	5 SQUARE 2							
LAT 43 49 N	DAY 12	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28							
LONG 048 46.3W	MOUR 05.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 719	1 SQUARE 38							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.0	STD	00000	- 0.01	32.98	26.50	00.000	1446.4							
	OBS	00001	- 0.01	32.98	26.50		1446.5							
	STD	00010	- 0.10	32.96	26.49	00.015	1446.2							
	OBS	00011	- 0.11	32.96	26.49		1446.1							
	OBS	00013	- 0.32	33.00	26.53		1445.3							
	OBS	00017	00.35	33.09	26.57		1448.5							
	STD	00020	- 0.68	32.98	26.53	00.031	1443.7							
	OBS	00020	- 0.92	32.66	26.52		1442.5							
	STD	00030	- 1.26	33.23	26.75	00.045	1441.5							
	OBS	00030	- 1.28	33.25	26.77		1441.4							
	OBS	00032	- 1.21	33.34	26.84		1441.9							
	OBS	00034	- 0.82	33.44	26.90		1443.9							
	OBS	00038	02.73	33.76	26.94		1460.4							
	OBS	00043	02.86	33.64	26.8400									
	OBS	00045	03.00	33.91	27.04		1461.9							
	OBS	00047	03.41	34.03	27.10		1463.8							
	OBS	00049	04.16	34.01	27.0000									
	STD	00050	04.35	34.10	27.05	00.068	1467.5							
	OBS	00051	04.75	34.28	27.150									
	OBS	00053	04.99	34.22	27.08		1470.8							
	OBS	00055	05.40	34.31	27.10		1472.6							
	OBS	00059	06.31	34.37	27.04		1476.5							
	OBS	00060	06.44	34.31	26.5700									
	OBS	00062	06.50	34.46	27.08		1477.4							
	OBS	00064	06.77	34.60	27.160									
	OBS	00068	07.82	34.82	27.180									
	OBS	00070	08.04	34.72	27.07		1483.9							
	OBS	00072	08.27	34.88	27.160									
	OBS	00074	08.44	34.80	27.07	00.094	1485.6							
	STD	00075	08.23	34.76	27.07		1484.7							
	OBS	00076	07.56	34.52	26.9200									
	OBS	00079	07.28	34.56	27.05		1480.9							
	OBS	00083	06.85	34.47	27.04		1479.2							
	OBS	00089	06.74	34.48	27.07		1478.8							
	OBS	00091	06.47	34.38	27.0200									
	OBS	00095	06.24	34.46	27.12		1476.5							
	STD	00100	06.32	34.48	27.12	00.118	1477.3							
	OBS	00100	06.33	34.48	27.12		1477.4							
	OBS	00104	07.23	34.65	27.13		1481.2							
	OBS	00106	07.21	34.55	27.09		1481.1							
	OBS	00108	06.90	34.52	27.08		1479.8							
	OBS	00112	05.17	34.28	27.11		1472.6							
	OBS	00116	04.76	34.25	27.13		1470.8							
	OBS	00121	04.10	34.22	27.18		1468.2							
	STD	00125	04.05	34.20	27.17	00.142	1468.1							
	OBS	00125	04.04	34.20	27.17		1468.0							
	STD	00150	03.27	34.24	27.28	00.164	1465.2							
	OBS	00150	03.26	34.26	27.29		1465.2							
	OBS	00152	03.45	34.36	27.35		1466.2							
	OBS	00156	04.25	34.35	27.30		1469.7							
	OBS	00158	04.35	34.42	27.31		1470.1							
	OBS	00163	03.47	34.26	27.2500									
	OBS	00175	03.48	34.35	27.34		1466.7							
	OBS	00177	03.42	34.33	27.33		1466.4							
	OBS	00182	04.31	34.44	27.33		1470.4							
	OBS	00194	04.90	34.52	27.33		1473.2							
	OBS	00196	04.76	34.58	27.39		1472.7							
	STD	00200	04.79	34.57	27.38	00.202	1472.9							
	OBS	00201	04.81	34.57	27.38		1473.0							
	OBS	00203	04.58	34.53	27.37		1472.0							
	OBS	00209	04.58	34.58	27.41		1472.1							
	OBS	00209	04.84	34.62	27.41		1473.3							
	OBS	00224	04.83	34.71	27.49		1473.7							
	STD	00250	04.75	34.69	27.48	00.237	1473.7							
	OBS	00253	04.70	34.68	27.48		1473.5							
	OBS	00276	04.01	34.58	27.47		1470.6							
	STD	00300	03.73	34.64	27.55	00.267	1470.2							
	OBS	00300	03.73	34.64	27.55		1470.2							
	OBS	00352	04.02	34.75	27.61		1472.4							
	STD	00400	04.37	34.83	27.63	00.321	1474.8							
	OBS	00403	04.40	34.83	27.63		1475.0							
	OBS	00428	04.27	34.86	27.67		1474.9							
	OBS	00437	04.49	34.90	27.68		1476.0							
	OBS	00451	04.49	34.91	27.68		1476.2							
	STD	00500	04.20	34.90	27.71	00.349	1475.8							
	OBS	00500	04.20	34.90	27.71		1475.8							
	OBS	00550	04.38	34.95	27.73		1477.5							
	STD	00600	04.35	34.96	27.74	00.413	1478.2							
	OBS	00603	04.34	34.96	27.74		1478.2							
	OBS	00651	04.13	34.94	27.75		1478.1							
	STD	00700	03.95	34.92	27.75	00.456	1478.1							
	OBS	00700	03.95	34.92	27.75		1478.1							
	OBS	00750	04.02	34.95	27.77		1479.3							
	STD	00800	03.95	34.94	27.77	00.498	1479.8							
	OBS	00801	03.95	34.94	27.77		1479.8							
	OBS	00850	03.85	34.94	27.77		1480.4							
	STD	00900	03.81	34.93	27.77	00.540	1480.9							
	OBS	00900	03.81	34.93	27.77		1480.9							
	OBS	00944	03.66	34.92	27.78		1481.0							
	OBS	00953	03.86	34.95	27.78		1482.0							
	STD	01000	03.93	34.96	27.78	00.582	1483.1							
	OBS	01001	03.93	34.96	27.78		1483.1							
	OBS	01020	03.91	34.95	27.78		1483.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

REFID 31 0454 YEAR 1975 BOTDP 00375 AIR TEMP 01.7 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1304
 CONSID 0031 MONTH 04 SHIP EV WET BULB 01.0 00 X X WIND-SPD 04 TRACE DIR D 9 SQUARE 2
 LAT 43 52 N DAY 12 DATA USE 1 BAROMETER 1012.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 20
 LONG 048 56.1W HOUR 06.9 AREA 05 CLCUD T/A CL/TR WEATHER X0 ORIG 011 720 1 SQUARE 30

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.5	STD	00000	- 0.10	32.91	26.45	00.000	1445.5							
	OBS	00001	- 0.10	32.91	26.45		1444.0							
	STD	00010	- 0.10	32.92	26.46	00.016	1446.1							
	OBS	00011	- 0.10	32.93	26.46		1446.1							
	STD	00020	- 0.38	33.01	26.54	00.031	1445.1							
	OBS	00020	- 0.40	33.02	26.55		1445.0							
	STD	00030	- 0.52	33.06	26.59	00.046	1444.7							
	OBS	00030	- 0.53	33.06	26.59		1444.7							
	OBS	00036	- 0.60	33.06	26.59		1444.4							
	OBS	00045	- 1.22	33.10	26.64		1441.7							
	STD	00050	- 1.30	33.18	26.71	00.074	1441.5							
	OBS	00051	- 1.32	33.20	26.73		1441.5							
	OBS	00062	- 1.39	33.31	26.82		1441.5							
	STD	00075	- 1.33	33.37	26.86	00.106	1442.1							
	OBS	00078	- 1.32	33.38	26.87		1442.2							
	STD	00100	- 1.30	33.41	26.89	00.135	1442.7							
	OBS	00100	- 1.30	33.41	26.90		1442.7							
	STD	00125	- 1.23	33.46	26.93	00.164	1443.5							
	OBS	00125	- 1.23	33.46	26.93		1443.5							
	STD	00150	- 0.90	33.52	26.57	00.191	1445.5							
	OBS	00152	- 0.87	33.53	26.98		1445.7							
	OBS	00175	- 0.55	33.64	27.06		1447.8							
	STD	00200	00.05	33.78	27.14	00.242	1451.1							
	OBS	00201	00.08	33.79	27.15		1451.3							
	OBS	00230	00.33	33.87	27.20		1453.0							
	OBS	00234	00.42	33.91	27.23		1453.6							
	OBS	00243	00.89	34.08	27.33		1456.1							
	STD	00250	00.95	34.10	27.35	00.283	1456.5							
	OBS	00255	01.01	34.13	27.37		1456.5							
	OBS	00285	01.60	34.38	27.53		1460.4							
	STD	00300	01.65	34.40	27.54	00.316	1460.8							
	OBS	00302	01.67	34.40	27.54		1461.0							
	OBS	00350	02.39	34.55	27.60		1465.1							
	OBS	00363	02.40	34.55	27.60		1465.4							

REFID 31 0454 YEAR 1975 BOTDP 00086 AIR TEMP 01.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1304
 CONSID 0032 MONTH 04 SHIP EV WET BULB 01.4 00 X X WIND-SPD 12 TRACE DIR D 9 SQUARE 2
 LAT 43 57.5N DAY 12 DATA USE 1 BAROMETER 1015.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 20
 LONG 049 12.3W HOUR 06.6 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG 011 721 1 SQUARE 36

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.6	STD	00000	01.23	32.99	26.44	00.000	1452.1							
	OBS	00001	01.23	32.99	26.44		1452.1							
	OBS	00007	01.21	32.96	26.42		1452.1							
	STD	00010	01.16	32.98	26.44	00.016	1451.9							
	OBS	00011	01.14	32.99	26.44		1451.9							
	STD	00020	01.03	33.00	26.46	00.032	1451.5							
	OBS	00020	01.02	33.00	26.46		1451.5							
	STD	00030	00.94	33.02	26.48	00.048	1451.3							
	OBS	00032	00.93	33.02	26.48		1451.3							
	OBS	00034	00.92	33.02	26.48		1451.3							
	OBS	00040	00.46	33.08	26.56		1449.4							
	OBS	00043	00.18	32.98	26.49		1448.0							
	OBS	00045	- 0.47	32.97	26.51		1445.1							
	OBS	00049	- 0.88	33.10	26.63		1443.4							
	STD	00050	- 0.84	33.14	26.66	00.077	1443.7							
	OBS	00051	- 0.73	33.22	26.72		1444.3							
	OBS	00059	- 0.43	33.11	26.62		1445.7							
	OBS	00066	- 0.73	33.15	26.67		1444.4							
	STD	00075	- 0.84	33.16	26.68	00.112	1444.1							
	OBS	00076	- 0.86	33.16	26.68		1444.0							
	OBS	00078	- 0.89	33.16	26.68		1443.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00040 AIR TEMP 03.2 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN 50 1306
 CONSEC 0033 MONTH 04 SHIP EV WET BULB 02.2 00 X X WIND-SPD 00 TRACE DIR D 5 SQUARE 2
 LAT 44 02.8N DAY 12 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR 00 DURATION 00.0 2 SQUARE 48
 LONG 049 33.8W HOUR 10.7 AREA 05 CLCUD T/A CL/TR WEATHER X0 DRG 011 722 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	QXVG	PG4	TOT P	NO2	NO3	S103	PH
10.7	STD	00000	01.53	32.77	26.24	00.000	1453.1							
	OBS	00001	01.53	32.77	26.24		1453.2							
	STD	00010	01.49	32.80	26.27	00.018	1453.1							
	OBS	00011	01.48	32.81	26.28		1453.1							
	OBS	00013	01.06	32.55	26.10		1450.6							
	OBS	00017	00.39	32.99	26.49		1448.6							
	STD	00020	00.36	33.01	26.51	00.034	1448.5							
	OBS	00020	00.35	33.02	26.51		1448.5							
	OBS	00028	00.33	33.02	26.52		1448.5							
	STD	00030	00.33	33.01	26.51	00.049	1448.5							
	OBS	00030	00.33	33.01	26.51		1448.5							
	OBS	00043	00.34	33.02	26.51		1448.8							

REFID 31 0454 YEAR 1975 BOTDP 00044 AIR TEMP 01.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN 50 1306
 CONSEC 0034 MONTH 04 SHIP EV WET BULB 00.9 10 1 2 WIND-SPD 11 TRACE DIR D 5 SQUARE 2
 LAT 44 50 N DAY 12 DATA USE 1 BAROMETR 1011.2 SEA WIND-FOR 00 DURATION 00.0 2 SQUARE 48
 LONG 049 20 W HOUR 22.0 AREA 05 CLCUD T/A CL/TR WEATHER X2 DRG 011 723 05 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	QXVG	PG4	TCT P	NO2	NO3	S103	PH
22.0	STD	00000	00.45	32.88	26.40	00.000	1448.4							
	OBS	00000	00.45	32.88	26.40		1448.4							
	STD	00010	- 0.13	32.84	26.39	00.016	1445.9							
	OBS	00010	- 0.10	32.84	26.39		1445.9							
	OBS	00014	- 0.46	32.93	26.48		1444.5							
	STD	00020	- 0.45	33.00	26.53	00.032	1444.8							
	OBS	00020	- 0.45	33.00	26.53		1444.8							
	OBS	00023	- 0.45	33.06	26.59		1444.0							
	STD	00030	- 0.49	33.07	26.60	00.047	1443.9							
	OBS	00030	- 0.49	33.07	26.60		1443.9							
	OBS	00033	- 0.43	33.13	26.65		1444.3							
	OBS	00036	- 0.43	33.11	26.62		1445.3							
	OBS	00042	- 0.79	33.07	26.60		1443.6							
	STD	00050	- 0.89	33.15	26.67	00.075	1443.6							
	OBS	00050	- 0.89	33.15	26.67		1443.6							
	OBS	00060	- 0.92	33.15	26.67		1443.4							

REFID 31 0454 YEAR 1975 BOTDP 00115 AIR TEMP 01.2 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN 54 1306
 CONSEC 0035 MONTH 04 SHIP EV WET BULB 01.0 00 X X WIND-SPD 16 TRACE DIR D 5 SQUARE 2
 LAT 44 46.3N DAY 13 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR 00 DURATION 00.4 2 SQUARE 48
 LONG 049 04.4W HOUR 01.3 AREA 05 CLCUD T/A CL/TR WEATHER X5 DRG 011 724 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	QXVG	PG4	TOT P	NO2	NO3	S103	PH
01.3	STD	00000	- 0.49	32.87	26.43	00.000	1444.1							
	OBS	00003	- 0.49	32.87	26.43		1444.1							
	STD	00010	- 0.61	32.83	26.42	00.016	1443.7							
	OBS	00011	- 0.64	32.85	26.42		1443.5							
	STD	00020	- 0.92	32.94	26.51	00.032	1442.5							
	OBS	00020	- 0.95	32.95	26.51		1442.4							
	STD	00030	- 1.16	33.03	26.58	00.047	1441.7							
	OBS	00030	- 1.18	33.03	26.58		1441.6							
	OBS	00032	- 1.27	33.02	26.58		1441.2							
	OBS	00034	- 1.30	33.08	26.63		1441.1							
	OBS	00036	- 1.41	33.12	26.66		1440.7							
	OBS	00038	- 1.43	33.16	26.70		1440.7							
	STD	00050	- 1.42	33.21	26.75	00.075	1441.0							
	OBS	00051	- 1.42	33.21	26.74		1441.0							
	STD	00075	- 1.36	33.28	26.79	00.107	1441.8							
	OBS	00076	- 1.36	33.28	26.76		1441.8							
	STD	00100	- 1.32	33.30	26.81	00.138	1442.4							
	OBS	00100	- 1.32	33.30	26.81		1442.5							
	OBS	00106	- 1.31	33.32	26.82		1442.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NEBC STATION DATA

REFID 31 0454	YEAR 1975	STDP 00420	AIR TEMP 01.3	DIR NET PER	WIND-DIR 10	INST STD RECORDER	TEN 50 1304
CONSEC 0036	MONTH 04	SHIP EV	NET BULB 00.7	00 X X	WIND-SPD 16	TRACE DIR	5 SQUARE 2
LAT 44 44.7N	DAY 13	DATA USE 1	BAROMETER 1007.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 02 W	MOOR	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	0416 011 725	1 SQUARE 46

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	CHYC	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	- 0.12	32.87	26.42	00.000	1445.8							
	085	00001	- 0.12	32.87	26.42		1445.8							
	085	00007	- 0.15	32.84	26.39		1445.7							
	STD	00010	- 0.30	32.84	26.40	00.016	1445.1							
	085	00013	- 0.47	32.85	26.41		1446.4							
	STD	00020	- 0.68	32.88	26.44	00.032	1443.5							
	085	00020	- 0.72	32.89	26.46		1443.5							
	085	00022	- 0.82	32.93	26.49		1443.0							
	085	00024	- 0.81	32.91	26.48		1443.0							
	085	00026	- 1.24	32.98	26.55		1441.2							
	STD	00030	- 1.31	33.07	26.62	00.048	1441.0							
	085	00030	- 1.32	33.08	26.63		1441.0							
	STD	00050	- 1.40	33.24	26.76	00.075	1441.2							
	085	00051	- 1.40	33.25	26.77		1441.2							
	STD	00075	- 1.34	33.30	26.81	00.104	1441.8							
	085	00076	- 1.34	33.30	26.81		1441.6							
	STD	00100	- 1.34	33.33	26.83	00.137	1442.3							
	085	00100	- 1.34	33.33	26.83		1442.3							
	085	00110	- 1.43	33.37	26.87		1442.3							
	STD	00125	- 1.32	33.41	26.86	00.167	1443.0							
	085	00125	- 1.31	33.41	26.90		1443.1							
	STD	00150	- 0.93	33.48	26.94	00.195	1445.3							
	085	00150	- 0.93	33.48	26.94		1445.4							
	085	00175	- 0.93	33.49	26.95		1445.8							
	STD	00200	- 0.78	33.53	26.97	00.250	1446.9							
	085	00203	- 0.73	33.54	26.98		1447.3							
	085	00226	- 0.21	33.66	27.06		1450.2							
	STD	00250	00.22	33.89	27.22	00.299	1452.6							
	085	00251	00.25	33.90	27.23		1453.1							
	085	00276	00.97	34.12	27.36		1457.0							
	STD	00300	01.23	34.20	27.41	00.338	1458.7							
	085	00300	01.24	34.20	27.41		1458.8							
	085	00350	01.50	34.30	27.47		1460.9							
	085	00380	01.76	34.41	27.54		1462.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 0454	YEAR 1975	BOTDP 01408	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	YEN SO 1904
CONSEC 0037	MONTH 04	SHIP EV	WET GULB 06.9	00 X X	WIND-SPD 26	TRACE DIR 0	5 SQUARE 2
LAT 44 42.4N	DAY 13	DATA USE 1	BAROMETR 1000.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 56.4W	MOOR 02.7	AREA 05	CLCUD T/A	CL/TA	WEATHER 26	CRS 011 726	1 SQUARE 48

CASTNO/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
02.7	STD	00000	- 0.15	32.84	26.39	00.000	1445.6							
	OBS	00005	- 0.15	32.84	26.39		1445.7							
	STD	00010	- 0.16	32.84	26.39	00.014	1445.7							
	OBS	00011	- 0.16	32.84	26.39		1445.7							
	OBS	00019	- 0.47	32.79	26.37		1446.6							
	STD	00020	- 0.54	32.85	26.42	00.033	1446.9							
	OBS	00020	- 0.54	32.90	26.46		1446.8							
	STD	00030	- 0.93	33.00	26.55	00.048	1442.7							
	OBS	00030	- 0.94	33.00	26.55		1442.7							
	STD	00050	- 1.15	33.08	26.62	00.077	1442.1							
	OBS	00051	- 1.16	33.09	26.63		1442.1							
	STD	00075	- 1.39	33.33	26.84	00.110	1441.7							
	OBS	00076	- 1.40	33.34	26.84		1441.7							
	STD	00100	- 1.55	33.37	26.87	00.140	1441.5							
	OBS	00100	- 1.54	33.38	26.88		1441.4							
	OBS	00102	- 1.58	33.41	26.90		1441.4							
	STD	00125	- 1.10	33.52	26.98	00.165	1444.2							
	OBS	00125	- 1.09	33.52	26.98		1444.3							
	STD	00150	- 0.70	33.57	27.00	00.194	1446.6							
	OBS	00152	- 0.67	33.57	27.00		1446.7							
	OBS	00177	- 0.48	33.62	27.04		1448.1							
	STD	00200	00.29	33.79	27.13	00.246	1452.2							
	OBS	00203	00.36	33.81	27.15		1452.6							
	OBS	00213	00.48	33.87	27.19		1453.4							
	OBS	00217	00.72	33.58	27.26		1454.7							
	OBS	00228	00.79	33.98	27.26		1455.2							
	STD	00250	01.08	34.11	27.35	00.287	1457.1							
	OBS	00251	01.09	34.12	27.35		1457.2							
	OBS	00276	01.31	34.26	27.45		1458.7							
	STD	00300	01.48	34.32	27.49	00.321	1460.0							
	OBS	00300	01.49	34.32	27.49		1460.0							
	OBS	00330	01.74	34.43	27.56		1462.1							
	STD	00400	02.03	34.50	27.59	00.375	1464.3							
	OBS	00401	02.04	34.50	27.59		1464.4							
	OBS	00405	02.07	34.51	27.60		1464.6							
	OBS	00451	02.78	34.68	27.67		1468.7							
	STD	00500	03.22	34.79	27.72	00.426	1471.5							
	OBS	00500	03.22	34.79	27.72		1471.5							
	OBS	00550	03.19	34.77	27.71		1472.2							
	STD	00600	03.37	34.81	27.73	00.469	1473.8							
	OBS	00601	03.37	34.82	27.73		1473.9							
	OBS	00651	03.47	34.85	27.74		1475.2							
	STD	00700	03.49	34.86	27.75	00.511	1476.1							
	OBS	00700	03.49	34.86	27.75		1476.1							
	STD	00800	03.55	34.84	27.73	00.554	1478.0							
	OBS	00800	03.55	34.84	27.73		1478.0							
	STD	00900	03.54	34.87	27.75	00.598	1479.6							
	OBS	00900	03.54	34.87	27.75		1479.6							
	STD	01000	03.50	34.87	27.76	00.641	1481.1							
	OBS	01000	03.50	34.87	27.76		1481.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REF ID	31 0434	YEAR	1975	BOYD	02085	AIR TEMP	01.7	DIR	HGT	PER	WIND-DIR	21	INST	STD	RECORDER	TEN	SO	1306	
CONSEC	0038	MONTH	04	SHIP	EV	WET BULB	01.7		99	X	X	WIND-SPD	26	TRACE	DIR		5	SQUARE	2
LA"	44 39 N	DAY	13	DATA	USE	1	BAROMETER	0994.3	SEA		WIND-FOR		DURATION		00.4	2	SQUARE	48	
LONG	048 43 W	HOUR	05.8	AREA	05	CLOUD	T/A	CL/TH			WEATHER	X6	ORIS	011	727	1	SQUARE	48	

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	STD	00000	- 0.30	32.94	26.50	00.000	1445.1							
	OBS	00000	- 0.30	32.54	26.50		1445.1							
	STD	00010	- 0.34	32.97	26.51	00.015	1445.1							
	OBS	00011	- 0.35	32.97	26.51		1445.0							
	STD	00020	- 0.41	32.98	26.52	00.031	1444.9							
	OBS	00020	- 0.41	32.98	26.52		1444.9							
	STD	00030	- 0.44	32.99	26.53	00.046	1445.0							
	OBS	00030	- 0.44	32.99	26.53		1445.0							
	OBS	00034	- 0.43	32.99	26.53		1445.1							
	OBS	00038	- 0.52	32.02	26.55		1444.7							
	OBS	00040	- 0.47	32.00	26.54		1445.0							
	OBS	00043	- 0.82	32.00	26.55		1443.4							
	STD	00050	- 0.75	32.07	26.61	00.075	1446.0							
	OBS	00051	- 0.75	32.09	26.62		1444.0							
	STD	00075	- 1.54	32.34	26.84	00.109	1441.1							
	OBS	00076	- 1.55	32.35	26.85		1441.0							
	OBS	00079	- 1.54	32.40	26.90		1441.0							
	OBS	00085	- 1.43	32.40	26.89		1441.8							
	OBS	00089	- 1.49	32.45	26.93		1441.7							
	STD	00100	- 0.94	32.58	27.02	00.137	1444.6							
	OBS	00102	- 0.81	32.61	27.04		1445.3							
	STD	00125	- 0.12	32.70	27.08	00.162	1449.0							
	OBS	00125	- 0.10	32.70	27.08		1449.1							
	OBS	00127	- 0.17	32.71	27.10		1448.8							
	OBS	00131	- 0.12	32.78	27.15		1449.2							
	OBS	00133	00.28	32.84	27.19		1451.2							
	STD	00150	02.82	34.00	27.27	00.185	1454.1							
	OBS	00150	00.83	34.00	27.27		1454.2							
	OBS	00175	00.95	34.10	27.35		1455.2							
	STD	00200	01.23	34.21	27.42	00.222	1457.1							
	OBS	00203	01.27	34.23	27.43		1457.3							
	OBS	00228	01.54	34.37	27.52		1459.1							
	STD	00250	01.47	34.42	27.55	00.252	1460.1							
	OBS	00251	01.48	34.42	27.55		1460.2							
	OBS	00274	01.84	34.47	27.58		1461.5							
	OBS	00297	02.04	34.52	27.60		1462.8							
	STD	00300	02.21	34.54	27.61	00.275	1463.5							
	OBS	00302	02.33	34.56	27.61		1464.1							
	OBS	00333	02.70	34.62	27.63		1466.3							
	OBS	00346	03.31	34.70	27.64		1469.2							
	OBS	00350	03.37	34.71	27.64		1469.6							
	OBS	00367	03.47	34.72	27.64		1470.5							
	OBS	00365	03.78	34.79	27.66		1471.7							
	OBS	00386	03.82	34.80	27.67		1472.2							
	OBS	00392	03.92	34.80	27.66		1472.7							
	OBS	00397	03.72	34.79	27.67		1471.9							
	STD	00400	03.77	34.80	27.67	00.327	1472.2							
	OBS	00401	03.60	34.80	27.67		1472.4							
	OBS	00422	03.96	34.82	27.67		1473.4							
	OBS	00428	03.53	34.75	27.66		1471.6							
	OBS	00434	03.42	34.76	27.68		1471.2							
	OBS	00437	03.21	34.72	27.66		1470.3							
	OBS	00451	03.22	34.75	27.69		1470.6							
	OBS	00474	03.35	34.79	27.71		1471.6							
	OBS	00483	03.37	34.79	27.70		1471.9							
	STD	00500	03.41	34.80	27.71	00.373	1472.4							
	OBS	00502	03.42	34.80	27.71		1472.4							
	OBS	00550	03.46	34.82	27.72		1473.4							
	STD	00600	03.58	34.84	27.72	00.417	1474.8							
	OBS	00601	03.58	34.84	27.72		1474.8							
	OBS	00612	03.60	34.87	27.75		1475.1							
	OBS	00616	03.63	34.89	27.74		1476.2							
	OBS	00634	04.16	34.94	27.74		1478.3							
	OBS	00652	03.94	34.91	27.74		1477.9							
	STD	00700	03.67	34.86	27.73	00.460	1476.9							
	OBS	00700	03.67	34.86	27.73		1476.8							
	OBS	00750	03.55	34.86	27.74		1477.2							
	OBS	00766	03.51	34.86	27.75		1477.8							
	STD	00800	03.51	34.86	27.75	00.503	1477.8							
	OBS	00801	03.51	34.86	27.75		1477.8							
	OBS	00850	03.46	34.87	27.76		1478.5							
	STD	00900	03.43	34.87	27.76	00.566	1479.2							
	OBS	00900	03.43	34.87	27.76		1479.2							
	OBS	00951	03.40	34.86	27.76		1479.9							
	STD	01000	03.42	34.87	27.76	00.588	1480.8							
	OBS	01001	03.42	34.87	27.76		1480.8							
	OBS	01020	03.35	34.86	27.76		1481.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATICA DATA

REFID 31 0434	YEAR 1975	SDOP 03104	AIR TEMP 01.0	DIR -GT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0036	MONTH 04	SHIP EV	WET BULB 00.8	33 5 4	WIND-SPD 38	TRACE DIR D	9 SQUARE 2
LA" 44 34 N	DAY 13	DATA USE 1	BAROMETR 0994.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 048 11.0W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 728	1 SQUARE 48

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	DXVC	PD4	TOT P	NO2	NO3	SI03	PH
STD	00000	- 0.43	33.08	26.60	00.000	1444.6								
085	00001	- 0.43	33.08	26.60		1444.7								
085	00009	- 0.47	33.07	26.59		1444.6								
STD	00010	- 0.47	33.08	26.60	00.014	1444.6								
085	00011	- 0.48	33.09	26.61		1444.6								
STD	00020	- 0.49	33.12	26.63	00.029	1444.8								
085	00020	- 0.52	33.12	26.63		1444.6								
085	00022	- 0.61	33.10	26.62		1444.2								
STD	00030	- 0.85	33.10	26.63	00.043	1443.2								
085	00030	- 0.90	33.10	26.63		1443.0								
085	00032	- 1.12	33.17	26.70		1442.1								
085	00038	- 1.13	33.25	26.76		1442.2								
085	00040	- 1.24	33.34	26.84		1441.9								
085	00043	- 1.20	33.37	26.86		1442.2								
STD	00050	- 1.06	33.40	26.88	00.065	1443.0								
085	00051	- 0.76	33.41	26.88		1444.4								
085	00057	01.45	33.84	27.12		1455.2								
085	00059	01.85	33.88	27.11		1457.0								
085	00062	02.95	34.00	27.11		1462.1								
085	00072	03.42	34.06	27.12		1464.3								
STD	00075	03.23	34.03	27.11	00.096	1463.5								
085	00076	03.21	34.02	27.11		1463.4								
085	00078	03.27	34.05	27.12		1463.8								
085	00081	03.48	34.09	27.14		1464.8								
085	00089	01.34	34.02	27.26		1455.5								
085	00091	01.74	34.05	27.25		1457.3								
085	00095	02.78	34.14	27.24		1462.1								
STD	00100	01.33	34.00	27.24	00.118	1455.6								
085	00104	00.32	33.91	27.23		1451.0								
STD	00125	00.82	34.10	27.35	00.138	1453.8								
085	00125	00.83	34.10	27.35		1453.9								
STD	00150	01.32	34.26	27.45	00.155	1456.7								
085	00152	01.36	34.27	27.46		1456.9								
085	00175	01.65	34.37	27.52		1458.7								
085	00198	01.86	34.46	27.57		1460.2								
STD	00200	02.01	34.48	27.58	00.185	1460.9								
085	00203	02.24	34.50	27.57		1462.0								
085	00205	02.33	34.50	27.57		1462.4								
085	00230	03.39	34.64	27.58		1467.6								
085	00237	03.49	34.63	27.57		1468.1								
085	00239	03.49	34.65	27.58		1468.2								
085	00247	03.78	34.74	27.62		1466.7								
STD	00250	03.93	34.75	27.62	00.210	1470.4								
085	00257	04.16	34.77	27.61		1471.4								
085	00258	04.17	34.77	27.61		1471.5								
085	00266	04.67	34.87	27.63		1473.9								
085	00268	04.69	34.85	27.61		1474.0								
085	00272	04.78	34.88	27.63		1474.4								
085	00285	04.77	34.88	27.63		1474.6								
085	00289	04.73	34.88	27.63		1474.5								
STD	00300	04.64	34.87	27.64	00.235	1474.5								
085	00302	04.62	34.87	27.64		1474.3								
085	00352	04.62	34.91	27.67		1475.1								
STD	00400	04.64	34.96	27.71	00.283	1476.1								
085	00401	04.64	34.96	27.71		1476.1								
085	00451	04.60	34.96	27.71		1476.7								
STD	00500	04.55	34.98	27.73	00.326	1477.4								
085	00502	04.55	34.98	27.73		1477.4								
085	00550	04.53	34.98	27.73		1478.1								
STD	00600	04.40	34.97	27.74	00.345	1478.4								
085	00603	04.39	34.97	27.74		1478.4								
085	00652	04.32	34.96	27.74		1478.9								
STD	00700	04.23	34.97	27.76	00.411	1479.3								
085	00700	04.23	34.97	27.76		1479.3								
085	00750	04.17	34.96	27.76		1475.9								
STD	00800	04.16	34.96	27.76	00.454	1480.7								
085	00801	04.16	34.96	27.76		1480.7								
085	00852	04.08	34.96	27.77		1481.2								
STD	00900	04.01	34.95	27.77	00.497	1481.7								
085	00902	04.01	34.95	27.77		1481.8								
085	00953	03.98	34.95	27.77		1482.5								
STD	01000	03.92	34.95	27.78	00.539	1483.0								
085	01001	03.92	34.95	27.78		1483.0								
085	01012	03.89	34.94	27.77		1483.1								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
REFID 31 8454	YEAR 1975	BOTOP 03475	AIR TEMP 02.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1304							
CONSEC 0040	MONTH 04	S-IP EV	WET BULB 02.4	11 3 2	WIND-SPD 28	TRACE DIR 0	5 SQUARE 2							
LAT 44 29 N	DAY 13	DATA USE 1	BAROMETER 1007.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46							
LONG 047 47.9 W	MOOR 12.7	AREA 05	CLOUD T/A	CL/TA	WEATHER X1	ORIG 011 729	1 SQUARE 47							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	ORIG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	STD	00000	02.26	33.44	26.74	00.000	1457.3							
	OBS	00005	02.26	33.44	26.74		1457.4							
	STD	00010	02.25	33.44	26.74	00.013	1457.4							
	OBS	00011	02.25	33.46	26.74		1457.4							
	STD	00020	02.25	33.48	26.76	00.026	1457.6							
	OBS	00020	02.25	33.48	26.76		1457.6							
	STD	00030	02.15	33.48	26.77	00.039	1457.3							
	OBS	00030	02.13	33.49	26.78		1457.3							
	OBS	00034	01.96	33.56	26.84		1456.7							
	STD	00050	02.01	33.74	27.00	00.063	1457.4							
	OBS	00051	02.01	33.77	27.01		1457.5							
	OBS	00059	01.84	33.81	27.05		1457.0							
	OBS	00062	01.72	33.81	27.06		1456.4							
	STD	00075	01.45	33.88	27.13	00.088	1455.7							
	OBS	00076	01.42	33.89	27.15		1455.4							
	OBS	00079	01.12	33.93	27.20		1454.2							
	OBS	00087	01.20	33.93	27.19		1454.7							
	OBS	00089	00.86	33.94	27.22		1453.2							
	OBS	00093	00.99	34.02	27.28		1454.0							
	OBS	00097	01.79	34.12	27.31		1457.7							
	OBS	00099	01.84	34.14	27.32		1458.1							
	STD	00100	02.04	34.16	27.32	00.109	1458.5							
	OBS	00106	02.97	34.28	27.34		1463.3							
	STD	00125	02.92	34.33	27.38	00.128	1463.4							
	OBS	00125	02.92	34.34	27.39		1463.4							
	OBS	00127	03.09	34.37	27.40		1464.2							
	OBS	00133	03.99	34.49	27.40		1468.3							
	OBS	00140	03.85	34.53	27.45		1468.1							
	OBS	00144	04.33	34.58	27.44		1470.1							
	STD	00150	04.58	34.64	27.46	00.145	1471.3							
	OBS	00150	04.59	34.64	27.46		1471.3							
	OBS	00154	04.58	34.63	27.45		1471.4							
	OBS	00158	04.56	34.61	27.44		1471.3							
	OBS	00159	04.50	34.61	27.44		1471.1							
	OBS	00175	04.59	34.68	27.49		1471.8							
	OBS	00178	04.59	34.67	27.48		1471.8							
	OBS	00154	05.19	34.79	27.51		1474.7							
	STD	00200	04.95	34.75	27.50	00.176	1473.8							
	OBS	00201	04.89	34.74	27.50		1473.5							
	OBS	00218	04.66	34.76	27.55		1472.9							
	OBS	00226	04.63	34.82	27.56		1474.2							
	OBS	00228	04.94	34.81	27.55		1474.3							
	OBS	00234	04.47	34.73	27.54		1472.3							
	OBS	00237	04.27	34.71	27.55		1471.5							
	OBS	00243	04.53	34.87	27.60		1474.6							
	OBS	00246	04.56	34.89	27.61		1476.8							
	STD	00250	05.02	34.90	27.61	00.205	1475.1							
	OBS	00251	05.15	34.91	27.61		1475.6							
	OBS	00276	05.14	34.91	27.61		1476.0							
	STD	00300	04.90	34.88	27.61	00.231	1475.4							
	OBS	00300	04.89	34.88	27.61		1475.4							
	OBS	00350	04.59	34.89	27.66		1474.9							
	STD	00400	04.69	34.95	27.69	00.279	1476.3							
	OBS	00401	04.69	34.95	27.69		1476.3							
	OBS	00451	04.66	34.97	27.71		1477.0							
	STD	00500	04.65	34.99	27.72	00.324	1478.0							
	OBS	00504	04.65	34.99	27.72		1478.0							
	OBS	00550	04.64	34.99	27.73		1478.6							
	STD	00600	04.42	34.96	27.73	00.368	1478.5							
	OBS	00601	04.42	34.96	27.73		1478.5							
	OBS	00651	04.41	34.97	27.74		1479.3							
	STD	00700	04.28	34.96	27.75	00.412	1479.5							
	OBS	00700	04.28	34.96	27.75		1479.5							
	OBS	00750	04.21	34.96	27.75		1480.1							
	STD	00800	04.17	34.95	27.75	00.455	1480.7							
	OBS	00801	04.17	34.95	27.75		1480.7							
	OBS	00850	04.05	34.95	27.76		1481.1							
	STD	00900	04.01	34.96	27.77	00.498	1481.7							
	OBS	00900	04.01	34.96	27.77		1481.7							
	OBS	00953	03.96	34.95	27.77		1482.4							
	OBS	00968	03.95	34.95	27.77		1482.8							
	OBS	00970	03.99	34.96	27.78		1482.8							
	OBS	00972	03.99	34.96	27.78		1482.9							
	STD	01000	03.94	34.95	27.77	00.541	1483.1							
	OBS	01001	03.94	34.95	27.77		1483.1							
	OBS	01035	03.94	34.95	27.77		1483.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODE STATION DATA

REFID 31 8454 YEAR 1975 BOTDP 03711 AIR TEMP 03.7 DIR PGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306
 COMSEC 0041 MONTH 04 SHIP EV WET BULB 02.9 02 3 7 WIND-SPD 26 TRACE DIR 0 5 SQUARE 2
 LAT 44 21.8N DAY 13 DATA USE 1 BAROMETR 1009.5 WSEA CL/TR WIND-FOR XZ DURATION 00.6 2 SQUARE 46
 LONG 047 17.4W HOUR 16.0 AREA 05 CLOUD T/A HEATHER XZ ORIG 011 730 1 SQUARE 47

CASHTIME/TYPE	LVLTYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOTTP	AC2	NO3	SIO3	PH
16.0	STD	00000	05.87	34.18	26.94	00.000	1473.5							
	OBS	00005	05.87	34.18	26.94		1473.6							
	STD	00010	05.86	34.19	26.95	00.011	1473.6							
	OBS	00011	05.86	34.19	26.95		1473.6							
	STD	00020	05.86	34.22	26.97	00.022	1473.6							
	OBS	00020	05.87	34.22	26.97		1473.9							
	STD	00030	06.08	34.29	27.00	00.033	1474.9							
	OBS	00032	06.13	34.32	27.02		1475.2							
	OBS	00034	06.17	34.35	27.04		1475.5							
	OBS	00036	06.29	34.39	27.05		1476.0							
	OBS	00043	07.23	34.58	27.08		1480.2							
	OBS	00049	07.09	34.55	27.07		1479.6							
	STD	00050	07.11	34.56	27.08	00.054	1479.7							
	OBS	00053	07.19	34.61	27.11		1480.2							
	STD	00075	07.00	34.56	27.09	00.079	1479.7							
	OBS	00076	06.68	34.56	27.10		1479.6							
	OBS	00078	06.64	34.57	27.11		1479.5							
	OBS	00081	07.10	34.61	27.12		1480.3							
	OBS	00085	07.59	34.71	27.13		1482.4							
	OBS	00099	07.60	34.75	27.16		1482.7							
	STD	00100	07.53	34.72	27.14	00.103	1482.4							
	OBS	00100	07.67	34.69	27.13		1482.1							
	OBS	00106	07.06	34.62	27.13		1480.5							
	OBS	00110	07.07	34.69	27.19		1480.7							
	OBS	00112	07.61	34.75	27.18		1482.2							
	OBS	00123	07.32	34.77	27.21		1482.0							
	STD	00125	07.65	34.81	27.19	00.126	1483.5							
	OBS	00125	07.82	34.83	27.19		1484.1							
	OBS	00133	07.32	34.74	27.21		1482.2							
	OBS	00135	06.81	34.70	27.23		1480.1							
	OBS	00142	06.73	34.74	27.27		1480.0							
	OBS	00146	06.27	34.63	27.25		1478.1							
	STD	00150	06.19	34.65	27.27	00.148	1477.8							
	OBS	00150	06.17	34.65	27.28		1477.8							
	OBS	00154	05.91	34.56	27.24		1476.7							
	OBS	00156	05.91	34.64	27.30		1476.8							
	OBS	00161	05.24	34.48	27.26		1474.0							
	OBS	00175	05.17	34.54	27.31		1474.0							
	OBS	00177	05.13	34.57	27.34		1473.9							
	OBS	00178	05.30	34.65	27.38		1474.7							
	OBS	00184	05.12	34.67	27.42		1474.1							
	OBS	00186	05.34	34.70	27.42		1475.1							
	STD	00200	05.43	34.72	27.42	00.186	1475.7							
	OBS	00201	05.46	34.72	27.42		1475.8							
	OBS	00207	05.59	34.74	27.42		1476.5							
	OBS	00213	05.34	34.70	27.42		1475.5							
	OBS	00222	05.23	34.67	27.41		1475.2							
	OBS	00226	04.94	34.62	27.40		1474.0							
	OBS	00247	04.73	34.66	27.46		1473.5							
	STD	00250	04.39	34.63	27.47	00.220	1472.1							
	OBS	00251	04.28	34.62	27.48		1471.7							
	OBS	00257	04.33	34.64	27.49		1472.0							
	OBS	00262	04.68	34.71	27.50		1473.6							
	OBS	00277	05.48	34.84	27.51		1477.3							
	STD	00303	05.75	34.92	27.54	00.231	1478.9							
	OBS	00302	05.76	34.92	27.54		1476.0							
	OBS	00329	05.50	34.90	27.56		1478.3							
	OBS	00352	05.58	34.96	27.60		1479.1							
	STD	00400	05.37	34.89	27.64	00.306	1479.1							
	OBS	00401	05.36	34.89	27.65		1479.1							
	OBS	00453	04.94	34.86	27.67		1478.2							
	STD	00500	04.66	34.86	27.70	00.354	1477.8							
	OBS	00500	04.66	34.96	27.70		1477.8							
	OBS	00550	04.37	34.93	27.72		1477.2							
	STD	00600	04.17	34.92	27.73	00.395	1477.4							
	OBS	00601	04.16	34.92	27.73		1477.3							
	OBS	00651	03.79	34.88	27.73		1476.6							
	STD	00700	04.04	34.93	27.75	00.442	1478.5							
	OBS	00702	04.05	34.93	27.75		1478.6							
	OBS	00750	04.01	34.92	27.74		1479.2							
	STD	00800	03.92	34.92	27.75	00.485	1479.6							
	OBS	00801	03.92	34.92	27.75		1479.7							
	OBS	00852	03.81	34.92	27.76		1480.1							
	STD	00900	03.53	34.88	27.76	00.528	1479.6							
	OBS	00900	03.53	34.88	27.76		1479.6							
	OBS	00953	03.47	34.87	27.76		1480.2							
	OBS	00972	03.46	34.88	27.77		1480.5							
	STD	01000	03.47	34.87	27.76	00.571	1481.0							
	OBS	01001	03.47	34.87	27.76		1481.0							
	OBS	01022	03.53	34.88	27.76		1481.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0454	YEAR 1975	BOTDP 03913	AIR TEMP 03.9	DIR PGT PER	WIND-DIR 28	INST STC RECORDER	TEN SO 1306							
CONSEC 0042	MONTH 04	SHIP EV	WET BULB 03.2	20 6 5	WIND-SPD 14	TRACE DIR	5 SQUARE 2							
LAT 44 11.8N	DAY 13	DATA USE 1	BAROMETER 1012.9	SEA	WIND-PDR	SURFATION 00.4	2 SQUARE 46							
LONG 046 39.5W	HOUR 21.8	AREA 05	CLOUD T/A	CL/TA	WEATHER X1	DRG 011 731	1 SQUARE 46							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNDPTH	SND VEL	OXYG	PO+	TOT P	NO2	NO3	SIO3	PH
21.8	STD	00000	06.18	34.16	26.89	00.000	1474.7							
	OBS	00001	06.18	34.16	26.89		1474.7							
	STD	00010	06.19	34.16	26.89	00.012	1474.9							
	OBS	00011	06.19	34.16	26.89		1474.9							
	STD	00020	06.20	34.17	26.89	00.023	1475.1							
	OBS	00020	06.20	34.17	26.89		1475.1							
	STD	00030	06.25	34.21	26.92	00.035	1475.5							
	OBS	00030	06.25	34.21	26.92		1475.5							
	STD	00050	06.33	34.28	26.96	00.058	1476.3							
	OBS	00051	06.34	34.29	26.97		1476.3							
	OBS	00053	06.24	34.30	26.99		1476.0							
	OBS	00066	05.49	34.33	27.08		1476.0							
	OBS	00070	05.41	34.34	27.13		1473.0							
	STD	00075	05.34	34.37	27.16	00.083	1472.8							
	OBS	00076	05.33	34.37	27.16		1472.8							
	OBS	00079	05.34	34.36	27.15		1472.9							
	OBS	00081	05.55	34.55	27.22		1475.6							
	OBS	00087	07.29	34.80	27.24		1481.4							
	OBS	00089	07.43	34.80	27.19		1482.7							
	STD	00100	07.43	34.74	27.17	00.108	1482.0							
	OBS	00100	07.41	34.73	27.17		1482.0							
	OBS	00108	07.73	34.82	27.19		1483.4							
	OBS	00112	08.12	34.61	27.21		1485.1							
	STD	00125	08.13	34.95	27.24	00.129	1485.4							
	OBS	00127	08.14	34.96	27.24		1485.5							
	STD	00150	08.36	35.02	27.25	00.150	1486.8							
	OBS	00150	08.36	35.02	27.25		1486.8							
	OBS	00156	07.76	34.86	27.22		1484.4							
	OBS	00165	07.47	34.87	27.27		1483.4							
	OBS	00173	04.67	34.43	27.28		1471.7							
	OBS	00177	04.32	34.52	27.39		1470.5							
	OBS	00180	05.07	34.60	27.37		1473.7							
	OBS	00182	05.23	34.63	27.38		1474.5							
	OBS	00186	05.05	34.56	27.34		1473.7							
	OBS	00196	04.24	34.43	27.33		1470.3							
	STD	00200	03.83	34.43	27.37	00.190	1468.7							
	OBS	00201	03.67	34.42	27.38		1468.0							
	OBS	00211	03.04	34.34	27.38		1465.4							
	OBS	00213	03.04	34.37	27.40		1465.4							
	OBS	00220	04.23	34.65	27.51		1471.0							
	OBS	00237	05.79	34.86	27.49		1478.0							
	OBS	00239	05.87	34.85	27.47		1478.3							
	OBS	00245	05.50	34.85	27.520									
	OBS	00247	05.96	34.85	27.46		1478.8							
	STD	00250	05.72	34.82	27.47	00.225	1477.8							
	OBS	00253	05.58	34.79	27.46		1477.3							
	OBS	00255	05.59	34.87	27.52		1477.4							
	OBS	00266	06.11	34.63	27.50		1479.8							
	OBS	00276	06.13	34.96	27.53		1480.1							
	STD	00300	06.16	34.98	27.54	00.256	1480.6							
	OBS	00300	06.16	34.98	27.54		1480.6							
	OBS	00350	05.48	34.94	27.59		1478.7							
	OBS	00367	05.16	34.88	27.58		1477.6							
	OBS	00371	04.72	34.86	27.62		1475.8							
	OBS	00382	04.51	34.83	27.62		1475.2							
	OBS	00399	04.03	34.78	27.63		1473.3							
	STD	00400	04.03	34.78	27.63	00.312	1473.3							
	OBS	00403	03.98	34.78	27.63		1473.1							
	OBS	00415	03.87	34.76	27.63		1472.8							
	OBS	00420	04.17	34.84	27.66		1474.3							
	OBS	00428	05.01	34.57	27.67		1478.1							
	OBS	00453	05.18	34.98	27.66		1479.2							
	STD	00500	04.34	34.88	27.68	00.361	1476.4							
	OBS	00500	04.32	34.88	27.68		1476.3							
	OBS	00502	04.24	34.88	27.65		1476.0							
	OBS	00550	04.32	34.93	27.72		1477.2							
	STD	00600	04.35	34.95	27.73	00.407	1478.2							
	OBS	00603	04.35	34.95	27.73		1478.2							
	OBS	00652	04.33	34.95	27.73		1478.9							
	STD	00700	04.19	34.94	27.74	00.451	1479.2							
	OBS	00704	04.18	34.94	27.74		1479.2							
	OBS	00750	04.01	34.93	27.75		1479.2							
	STD	00800	03.98	34.93	27.75	00.494	1479.9							
	OBS	00801	03.98	34.93	27.75		1479.9							
	OBS	00850	04.08	34.96	27.77		1481.2							
	STD	00900	03.91	34.94	27.77	00.537	1481.3							
	OBS	00902	03.90	34.94	27.77		1481.3							
	OBS	00953	03.82	34.92	27.76		1481.8							
	STD	01000	03.74	34.92	27.77	00.575	1482.2							
	OBS	01003	03.73	34.92	27.77		1482.2							
OBS	01020	03.76	34.92	27.77		1482.6								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA														
REFID 31 0454	YEAR 1975	BOATDP 04023	AIR TEMP 04.2	DIR HGT PEP	MIND-DIR 29	INST STD RECORDER	TEN 50 1304							
CONSEC 0043	MONTH 04	SHIP 8V	WET BULB 03.9	DO X X	MIND-SPD 05	TRACE DIR	5 SQUARE 2							
LA" 44 04 N	DAY 14	DATA USE 1	BAROMETER 1012.0	SEA	MIND-FOR X2	DURATION 00.4	2 SQUARE 46							
LONG 046 11 W	MOOR 01.7	AREA 05	CLOUD T/A	CL/TR	WEATHER	OREG 011 732	1 SQUARE 46							
CASHTUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.7	STD	00000	03.44	33.70	26.83	00.000	1462.7							
	OBS	00001	03.44	33.70	26.83		1462.8							
	STD	00010	03.43	33.70	26.83	00.012	1462.5							
	OBS	00011	03.43	33.70	26.83		1462.9							
	STD	00020	03.43	33.70	26.83	00.025	1463.0							
	OBS	00020	03.43	33.70	26.83		1463.0							
	STD	00030	03.44	33.71	26.84	00.037	1463.2							
	OBS	00032	03.44	33.71	26.84		1463.3							
	OBS	00034	03.44	33.71	26.84		1463.3							
	STD	00050	03.34	33.74	26.87	00.061	1463.2							
	OBS	00051	03.33	33.75	26.88		1463.2							
	OBS	00072	04.00	34.02	26.94		1470.1							
	STD	00075	03.23	34.07	26.94	00.090	1472.0							
	OBS	00085	03.34	34.12	26.96		1472.4							
	OBS	00087	03.09	34.10	26.97		1471.6							
	OBS	00091	04.04	34.08	26.95		1470.6							
	STD	00100	03.45	33.95	27.03	00.117	1464.8							
	OBS	00102	03.39	33.95	27.03		1464.5							
	OBS	00108	03.67	34.00	27.03		1466.7							
	OBS	00112	03.53	34.05	27.10		1465.4							
	OBS	00121	01.76	33.92	27.15		1457.7							
	OBS	00123	01.64	33.97	27.19		1457.4							
	STD	00125	01.73	34.02	27.23	00.141	1457.8							
	OBS	00127	01.87	34.07	27.26		1458.5							
	OBS	00128	01.98	34.06	27.24		1459.0							
	OBS	00137	02.67	34.27	27.35		1462.4							
	OBS	00140	02.78	34.28	27.35		1463.0							
	OBS	00146	03.09	34.37	27.40		1464.5							
	STD	00150	03.72	34.41	27.36	00.161	1467.4							
	OBS	00152	03.85	34.43	27.37		1468.1							
	OBS	00154	03.87	34.40	27.34		1468.0							
	OBS	00159	02.80	34.34	27.40		1463.5							
	OBS	00165	02.97	34.35	27.42		1464.4							
	OBS	00169	03.42	34.46	27.44		1466.5							
	OBS	00173	03.62	34.46	27.42		1467.4							
	OBS	00175	03.62	34.45	27.41		1467.4							
	OBS	00180	03.51	34.47	27.44		1467.0							
	OBS	00188	03.58	34.50	27.43		1467.5							
	OBS	00194	03.30	34.44	27.43		1466.3							
	OBS	00198	02.50	34.37	27.45		1462.8							
	STD	00200	02.68	34.44	27.49	00.195	1463.8							
	OBS	00203	02.98	34.53	27.53		1465.2							
	OBS	00209	03.35	34.54	27.51		1466.9							
	OBS	00213	03.26	34.58	27.55		1466.7							
	OBS	00226	04.22	34.72	27.56		1471.1							
	STD	00250	04.60	34.78	27.57	00.224	1473.2							
	OBS	00251	04.60	34.79	27.58		1473.2							
	OBS	00255	04.59	34.81	27.59		1473.3							
	OBS	00274	04.78	34.87	27.62		1474.4							
	OBS	00279	04.64	34.82	27.60		1473.9							
	OBS	00283	04.59	34.82	27.60		1473.7							
	STD	00300	05.16	34.97	27.66	00.250	1476.6							
	OBS	00302	05.23	34.99	27.66		1476.9							
	OBS	00350	05.07	34.55	27.65		1477.0							
	STD	00400	05.00	34.99	27.69	00.297	1477.6							
	OBS	00401	05.00	34.95	27.69		1477.6							
	OBS	00415	04.98	34.97	27.68		1477.7							
	OBS	00426	04.55	34.92	27.68		1476.1							
	OBS	00451	04.37	34.90	27.69		1475.7							
	OBS	00479	04.42	34.92	27.70		1476.4							
	OBS	00485	04.19	34.88	27.69		1475.5							
	OBS	00498	04.53	34.95	27.71		1477.2							
	STD	00500	04.51	34.95	27.71	00.343	1477.1							
	OBS	00502	04.48	34.95	27.72		1477.1							
	OBS	00504	04.48	34.97	27.73		1477.1							
	OBS	00530	04.76	35.01	27.73		1479.1							
	OBS	00571	04.64	35.00	27.74		1478.5							
	OBS	00580	04.67	35.02	27.75		1479.3							
	STD	00600	04.58	35.00	27.75	00.386	1479.2							
	OBS	00601	04.57	35.00	27.75		1479.2							
	OBS	00652	04.44	35.00	27.76		1479.5							
	STD	00700	04.31	34.97	27.75	00.429	1479.7							
	OBS	00700	04.31	34.97	27.75		1479.7							
	OBS	00737	04.14	34.96	27.76		1479.9							
	STD	00800	0.75	34.95	27.76	00.472	1480.2							
	OBS	00801	0.05	34.95	27.76		1480.2							
	OBS	00850	03.68	34.95	27.77		1480.8							
	STD	00900	03.98	34.95	27.77	00.514	1481.6							
	OBS	00900	03.98	34.95	27.77		1481.6							
	OBS	00953	03.85	34.94	27.78		1481.9							
	STD	01000	03.75	34.92	27.77	00.557	1482.3							
	OBS	01001	03.75	34.92	27.77		1482.3							
	OBS	01022	03.73	34.92	27.77		1482.5							

000000000000

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N CDC STATION DATA

REFID 31 0454	YEAR 1975	BOTOP 04206	AIR TEMP 05.2	DIR MGT PER	WIND-DIR 00	INST STC RECORDER	TEN SQ 1306
COMSEC 0044	MONTH 04	SHIP EV	WET BULB 04.2	00 X X	WIND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 43 58 N	DAY 14	DATA USE 1	BAROMETER 1008.9	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 045 36.5W	HOOR 05.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	011 733	1 SQUARE 35

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	GRYG	PO4	TOT P	NO2	NO3	SIG3	PH
05.0	STD	00000	04.19	33.83	26.86	00.000	1466.1							
	OBS	00001	04.19	33.83	26.86		1466.1							
	STD	00010	04.19	33.83	26.86	00.012	1466.2							
	OBS	00011	04.19	33.83	26.86		1466.3							
	OBS	00013	04.19	33.83	26.86		1466.3							
	STD	00020	04.19	33.83	26.86	00.024	1466.4							
	OBS	00020	04.19	33.83	26.86		1466.4							
	STD	00030	04.17	33.84	26.87	00.036	1466.5							
	OBS	00030	04.17	33.84	26.87		1466.5							
	STD	00050	04.18	33.57	26.57	00.059	1467.1							
	OBS	00053	04.24	34.00	26.99		1467.4							
	STD	00075	05.05	34.27	27.11	00.085	1471.5							
	OBS	00076	05.07	34.28	27.12		1471.6							
	STD	00100	05.10	34.30	27.13	00.109	1472.1							
	OBS	00100	05.10	34.30	27.13		1472.2							
	OBS	00102	05.07	34.31	27.14		1472.1							
	STD	00125	05.15	34.41	27.21	00.132	1472.9							
	OBS	00127	05.16	34.42	27.22		1473.0							
	OBS	00129	05.10	34.41	27.22		1472.8							
	OBS	00137	04.48	34.36	27.25		1470.3							
	OBS	00144	04.76	34.48	27.31		1471.7							
	OBS	00148	05.32	34.56	27.31		1476.2							
	STD	00150	05.31	34.55	27.31	00.153	1476.1							
	OBS	00150	05.30	34.55	27.30		1476.1							
	OBS	00152	05.27	34.55	27.31		1476.0							
	OBS	00154	05.48	34.60	27.32		1475.0							
	OBS	00177	05.38	34.63	27.36		1475.0							
	OBS	00186	05.24	34.60	27.35		1476.5							
	OBS	00190	04.66	34.52	27.36		1472.1							
	OBS	00196	04.76	34.55	27.40		1472.7							
	OBS	00198	05.03	34.66	27.42		1473.9							
	STD	00200	05.01	34.62	27.40	00.191	1473.8							
	OBS	00203	05.00	34.62	27.40		1473.9							
	OBS	00205	05.01	34.65	27.42		1474.0							
	OBS	00220	04.53	34.68	27.45		1473.9							
	OBS	00226	04.71	34.61	27.42		1473.0							
	OBS	00228	04.70	34.66	27.46		1473.1							
	OBS	00230	05.05	34.72	27.47		1476.6							
	OBS	00232	05.10	34.71	27.46		1476.9							
	OBS	00237	04.75	34.65	27.45		1473.6							
	OBS	00241	04.73	34.66	27.46		1473.4							
	OBS	00245	05.06	34.73	27.48		1476.5							
	STD	00250	05.14	34.75	27.48	00.225	1475.4							
	OBS	00251	05.28	34.77	27.48		1476.0							
	OBS	00255	05.57	34.89	27.49		1475.0							
	OBS	00262	05.76	34.88	27.51		1478.4							
	OBS	00268	05.19	34.78	27.50		1475.9							
	OBS	00272	03.85	34.60	27.51		1470.2							
	OBS	00277	03.85	34.63	27.53		1470.3							
	OBS	00287	03.59	34.64	27.52		1471.1							
	OBS	00289	03.78	34.62	27.53		1470.2							
	OBS	00293	03.77	34.65	27.55		1470.2							
	OBS	00295	04.06	34.72	27.58		1471.6							
	STD	00300	04.18	34.71	27.56	00.255	1472.2							
	OBS	00300	04.20	34.71	27.56		1472.3							
	OBS	00327	03.85	34.69	27.58		1471.2							
	OBS	00336	04.19	34.74	27.58		1472.9							
	OBS	00350	03.58	34.74	27.60		1472.2							
	OBS	00356	04.16	34.78	27.62		1473.1							
	OBS	00361	04.59	34.86	27.63		1475.1							
	OBS	00365	04.59	34.86	27.63		1475.2							
	OBS	00367	04.82	34.92	27.65		1476.2							
	STD	00400	04.82	34.91	27.65	00.308	1476.8							
	OBS	00405	04.83	34.91	27.64		1476.9							
	OBS	00451	04.55	34.67	27.68		1476.2							
	OBS	00460	04.79	34.95	27.68		1477.7							
	OBS	00470	04.57	34.93	27.65		1476.9							
	STD	00500	04.71	34.96	27.70	00.356	1478.0							
	OBS	00500	04.71	34.96	27.70		1478.0							
	OBS	00504	04.60	34.95	27.70		1477.6							
	OBS	00552	04.36	34.93	27.71		1477.4							
	STD	00600	04.32	34.95	27.73	00.401	1478.0							
	OBS	00601	04.32	34.95	27.73		1478.1							
	OBS	00649	04.21	34.95	27.75		1478.6							
	OBS	00656	04.08	34.93	27.74		1477.9							
	STD	00700	04.08	34.93	27.74	00.445	1478.7							
	OBS	00704	04.08	34.93	27.74		1478.7							
	OBS	00751	04.05	34.94	27.75		1479.4							
	STD	00800	04.01	34.94	27.76	00.487	1480.0							
	OBS	00801	04.01	34.94	27.76		1480.1							
	OBS	00852	03.94	34.92	27.75		1480.6							
	STD	00900	03.94	34.95	27.77	00.530	1481.5							
	OBS	00900	03.94	34.95	27.77		1481.5							
	OBS	00951	03.90	34.94	27.77		1482.1							
	STD	01000	03.83	34.93	27.77	00.572	1482.6							
	OBS	01001	03.83	34.93	27.77		1482.6							
	OBS	01020	03.82	34.93	27.77		1482.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

WDDC STATION DATA

REFID 31 0454	YEAR 1973	DOTDP 04755	AIR TEMP 07.9	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEM SO 1306
CONSEC 0045	MONTH 14	SHIP SV	WET BULB 07.0	OS 2 4	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 43 31 N	DAY 14	DATA USE 1	BAROMETER 1006.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 24
LONG 045 03 W	MOUR 07.9	AREA 05	CLOUD T/A	CL/TA	WEATHER X2	ORIG 011 734	1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	GYNOPTN	SNO VEL	OKYG	PO4	TOT P	NO2	NO3	S103	PH
07.9	STD	00000	14.59	35.98	26.75	00.000	1508.6							
	OBS	00003	14.95	35.98	26.75		1508.6							
	STD	00010	15.00	35.99	26.75	00.013	1508.8							
	OBS	00011	15.00	35.99	26.75		1508.8							
	STD	00020	15.00	35.98	26.74	00.026	1508.9							
	OBS	00020	15.00	35.98	26.74		1508.9							
	STD	00030	15.00	35.98	26.74	00.039	1509.1							
	OBS	00030	15.00	35.98	26.74		1509.1							
	STD	00050	14.99	35.97	26.74	00.066	1509.4							
	OBS	00051	14.99	35.97	26.74		1509.4							
	STD	00075	14.94	35.96	26.74	00.099	1509.7							
	OBS	00078	14.95	35.96	26.74		1509.7							
	STD	00100	14.88	35.95	26.74	00.133	1509.8							
	OBS	00102	14.85	35.94	26.75		1509.8							
	STD	00125	14.46	35.86	26.77	00.166	1508.8							
	OBS	00127	14.41	35.85	26.77		1508.6							
	STD	00150	13.88	35.82	26.86	00.198	1507.3							
	OBS	00152	13.84	35.81	26.86		1507.2							
	STD	00175	13.52	35.74	26.88		1506.4							
	OBS	00200	13.14	35.68	26.91	00.255	1505.5							
	OBS	00201	13.13	35.68	26.91		1505.5							
	OBS	00226	13.14	35.72	26.94		1506.0							
	STD	00250	12.80	35.63	26.94	00.315	1505.1							
	OBS	00264	12.28	35.51	26.95		1503.4							
	OBS	00270	12.01	35.45	26.95		1502.5							
	OBS	00274	12.73	35.63	26.95		1505.3							
	OBS	00276	11.78	35.41	26.57		1501.8							
	OBS	00281	11.37	35.31	26.97		1500.3							
	STD	00300	10.83	35.22	27.00	00.378	1498.4							
	OBS	00302	10.73	35.21	27.01		1498.2							
	OBS	00316	10.14	35.15	27.06		1496.3							
	OBS	00323	10.87	35.37	27.11		1499.3							
	OBS	00325	10.88	35.36	27.10		1499.3							
	OBS	00335	10.11	35.17	27.08		1496.5							
	OBS	00342	09.44	35.04	27.10		1494.0							
	OBS	00350	09.40	35.08	27.13		1494.0							
	OBS	00357	10.15	35.30	27.18		1497.2							
	STD	00400	09.80	35.27	27.21	00.482	1496.6							
	OBS	00401	09.76	35.26	27.21		1496.4							
	OBS	00432	08.74	35.05	27.22		1492.9							
	OBS	00435	08.35	35.02	27.26		1491.4							
	OBS	00451	08.02	34.98	27.28		1490.4							
	OBS	00453	07.96	35.01	27.31		1490.2							
	OBS	00462	07.56	34.92	27.30		1488.7							
	OBS	00464	07.58	34.94	27.31		1488.9							
	OBS	00470	07.15	34.85	27.30		1487.2							
	OBS	00474	06.51	34.61	27.30		1486.2							
	OBS	00485	06.85	34.86	27.35		1486.3							
	OBS	00494	06.45	34.81	27.36		1484.8							
	STD	00500	06.56	34.88	27.40	00.568	1485.4							
	OBS	00502	06.61	34.91	27.42		1485.7							
	OBS	00553	06.47	34.91	27.44		1486.0							
	OBS	00555	06.44	34.92	27.45		1485.5							
	OBS	00559	06.04	34.85	27.45		1484.3							
	STD	00600	05.80	34.86	27.52	00.635	1484.0							
	OBS	00603	05.78	34.91	27.53		1484.0							
	OBS	00605	05.79	34.92	27.54		1484.1							
	OBS	00612	06.36	35.05	27.57		1486.7							
	OBS	00616	06.36	35.04	27.56		1486.7							
	OBS	00620	05.45	34.96	27.55		1485.0							
	OBS	00622	05.53	34.98	27.57		1485.0							
	OBS	00632	05.36	34.88	27.56		1482.7							
	OBS	00652	05.54	34.97	27.60		1484.1							
	STD	00700	05.44	35.00	27.64	00.695	1484.4							
	OBS	00730	05.44	35.00	27.64		1484.4							
	OBS	00750	05.36	35.02	27.67		1484.5							
	STD	00800	05.02	35.01	27.70	00.752	1481.3							
	OBS	00801	05.01	34.92	27.6306		1484.2							
	OBS	00850	04.78	35.00	27.72		1484.7							
	STD	00900	04.71	35.00	27.73	00.800	1484.7							
	OBS	00900	04.71	35.00	27.73		1484.7							
	OBS	00951	04.71	35.02	27.75		1485.4							
	STD	01000	04.60	35.01	27.75	00.848	1485.4							
	OBS	01001	04.60	35.01	27.75		1485.9							
	OBS	01012	04.59	35.01	27.75		1486.1							
	OBS	01020	04.59	35.00	27.74		1486.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOR STATION DATA														
REFID 31 0454	YEAR 1975	BOATDP 03602	AIR TEMP 02.9	DIR MGT PER	WIND-DIR 36	INST STD RECORDER	TEN SQ 1306							
CO45EC 0046	MONTH 04	SHIP EV	WET BULB 02.8	18 2 3	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2							
LAT 44 40.5N	DAY 14	DATA USE 1	BAROMETER 1004.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 044 00.5W	MOOR 15.1	AREA 05	CLOUD T/A	CL/T/A	WEATHER X7	DRG C11 735 11	1 SQUARE 46							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OKYC	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	STD	00000	03.70	33.89	26.96	00.000	1464.1							
	OBS	00003	03.70	33.89	26.96		1464.2							
	STD	00010	03.70	33.89	26.96	00.011	1464.3							
	OBS	00011	03.70	33.89	26.96		1464.3							
	STD	00020	03.71	33.90	26.96	00.022	1464.5							
	OBS	00020	03.71	33.90	26.96		1464.5							
	OBS	00024	03.54	33.88	26.96		1463.8							
	OBS	00024	03.53	33.91	26.96		1463.8							
	STD	00030	03.55	33.92	26.99	00.033	1464.0							
	OBS	00030	03.55	33.92	26.99		1464.0							
	OBS	00034	03.56	33.95	27.02		1464.1							
	OBS	00038	03.61	34.03	27.06		1465.4							
	STD	00050	04.07	34.16	27.13	00.053	1466.8							
	OBS	00051	04.11	34.18	27.14		1467.1							
	OBS	00057	04.31	34.27	27.20		1468.1							
	OBS	00060	04.78	34.32	27.18		1470.2							
	OBS	00064	04.94	34.36	27.20		1471.0							
	OBS	00068	05.41	34.44	27.20		1473.1							
	STD	00075	05.52	34.45	27.20	00.076	1473.6							
	OBS	00076	05.53	34.45	27.20		1473.7							
	OBS	00078	05.54	34.46	27.20		1473.8							
	OBS	00081	05.79	34.50	27.21		1474.9							
	OBS	00087	05.47	34.47	27.22		1473.7							
	OBS	00089	05.66	34.53	27.25		1474.6							
	OBS	00091	06.56	34.68	27.25		1478.4							
	STD	00100	06.58	34.67	27.24	00.098	1478.6							
	OBS	00100	06.58	34.66	27.23		1478.6							
	OBS	00102	06.57	34.64	27.21		1478.6							
	OBS	00110	05.87	34.55	27.23		1475.8							
	OBS	00119	05.72	34.54	27.25		1475.3							
	OBS	00121	05.42	34.49	27.24		1474.1							
	STD	00125	05.47	34.51	27.25	00.119	1474.3							
	OBS	00129	05.53	34.54	27.27		1474.7							
	OBS	00131	06.02	34.63	27.28		1476.8							
	OBS	00137	05.44	34.53	27.27		1474.4							
	OBS	00148	05.24	34.50	27.27		1473.8							
	STD	00150	05.41	34.53	27.27	00.140	1474.5							
	OBS	00152	05.57	34.55	27.27		1475.2							
	OBS	00154	05.41	34.55	27.27		1475.4							
	OBS	00156	05.36	34.50	27.26		1474.4							
	OBS	00163	05.26	34.52	27.29		1474.1							
	OBS	00167	04.65	34.48	27.29		1472.9							
	OBS	00177	04.81	34.47	27.30		1472.4							
	OBS	00180	04.36	34.40	27.29		1470.5							
	OBS	00184	04.37	34.44	27.32		1470.7							
	OBS	00188	03.66	34.37	27.31		1468.5							
	OBS	00190	04.03	34.39	27.32		1469.3							
	OBS	00194	04.36	34.44	27.32		1470.8							
	STD	00200	04.30	34.45	27.34	00.180	1470.7							
	OBS	00201	04.28	34.46	27.35		1470.6							
	OBS	00211	04.63	34.55	27.38		1472.4							
	OBS	00217	05.21	34.65	27.39		1475.0							
	OBS	00228	05.10	34.62	27.38		1474.7							
	OBS	00247	05.16	34.68	27.42		1475.3							
	OBS	00249	04.93	34.66	27.44		1474.4							
	STD	00250	04.92	34.65	27.43	00.216	1474.3							
	OBS	00251	04.50	34.64	27.42		1474.3							
	OBS	00257	04.73	34.66	27.46		1473.7							
	OBS	00268	04.89	34.74	27.50		1474.6							
	OBS	00270	04.73	34.71	27.50		1474.0							
	OBS	00276	05.42	34.82	27.50		1477.0							
	OBS	00289	05.46	34.83	27.51		1477.4							
	STD	00300	04.88	34.69	27.52	00.245	1473.0							
	OBS	00304	04.02	34.64	27.52		1471.5							
	OBS	00352	04.03	34.74	27.60		1472.4							
	OBS	00354	04.06	34.78	27.63		1472.6							
	STD	00400	04.75	34.89	27.64	00.305	1476.4							
	OBS	00401	04.76	34.89	27.64		1476.5							
	OBS	00451	04.46	34.90	27.68		1476.1							
	OBS	00475	04.50	34.92	27.69		1476.7							
	STD	00500	04.32	34.90	27.69	00.353	1476.3							
	OBS	00500	04.32	34.90	27.69		1476.3							
	OBS	00550	04.54	34.94	27.72		1478.1							
	STD	00600	04.51	34.98	27.74	00.398	1478.9							
	OBS	00601	04.51	34.98	27.74		1478.9							
	OBS	00631	04.44	34.98	27.74		1479.4							
	STD	00700	04.33	34.96	27.74	00.442	1475.8							
	OBS	00702	04.33	34.96	27.74		1475.8							
	OBS	00750	04.28	34.98	27.76		1480.4							
	STD	00800	04.14	34.96	27.76	00.485	1480.6							
	OBS	00801	04.14	34.96	27.76		1480.6							
	OBS	00850	04.08	34.96	27.77		1481.2							
	STD	00900	04.03	34.94	27.76	00.528	1481.8							
	OBS	00900	04.03	34.94	27.76		1481.8							
	OBS	00951	03.94	34.94	27.77		1482.3							
	STD	01000	03.66	34.95	27.77	00.571	1483.2							
	OBS	01001	03.96	34.95	27.77		1483.2							
	OBS	01020	03.92	34.95	27.78		1483.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0454	YEAR 1975	SECTOP 03457	AIR TEMP 04.1	DIR PGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306							
COVSIC 0047	MONTH 04	SHIP EV	WET BULB 03.1	10 2 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2							
LA 44 56.3N	DAY 14	DATA USE 1	BAROMETR 1005.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 046 34.8W	HOHR 19.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIC 011 736 07	1 SQUARE 46							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	OKYC	PO4	TOT.P	NO2	NO3	SID3	PH
	STD	00000	03.39	33.88	26.98	00.000	1462.8							
19.2	OBS	00001	03.39	33.88	26.98		1462.8							
	STD	00010	03.40	33.88	26.98	00.011	1463.0							
	OBS	00011	03.40	33.88	26.98		1463.0							
	STD	00020	03.39	33.88	26.98	00.022	1463.1							
	OBS	00022	03.39	33.88	26.98		1463.1							
	STD	00030	03.39	33.88	26.98	00.033	1463.3							
	OBS	00030	03.39	33.88	26.98		1463.3							
	OBS	00041	03.39	33.87	26.97		1463.4							
	OBS	00043	03.18	33.84	26.97		1462.5							
	STD	00050	03.10	33.84	26.99	00.054	1462.3							
	OBS	00053	03.05	33.87	27.00		1462.2							
	OBS	00059	02.44	33.88	27.06		1459.6							
	OBS	00060	02.31	33.87	27.14		1459.2							
	OBS	00062	02.38	34.05	27.20		1459.7							
	OBS	00066	03.03	34.19	27.26		1462.7							
	OBS	00072	02.84	34.16	27.25		1462.0							
	OBS	00074	02.92	34.16	27.24		1462.3							
	STD	00075	02.81	34.14	27.24	00.078	1461.9							
	OBS	00078	02.52	34.11	27.24		1460.6							
	OBS	00083	02.53	34.20	27.31		1460.9							
	OBS	00085	03.07	34.28	27.33		1463.3							
	STD	00100	03.45	34.34	27.34	00.098	1465.3							
	OBS	00100	03.53	34.36	27.35		1465.7							
	OBS	00102	03.72	34.40	27.36		1466.6							
	OBS	00110	03.61	34.38	27.35		1466.2							
	OBS	00119	03.60	34.55	27.46		1467.8							
	OBS	00121	04.28	34.58	27.44		1469.5							
	STD	00125	04.52	34.61	27.44	00.114	1470.5							
	OBS	00125	04.55	34.61	27.44		1470.7							
	OBS	00129	04.67	34.64	27.45		1471.3							
	OBS	00135	05.10	34.73	27.47		1473.3							
	OBS	00146	04.44	34.60	27.44		1470.6							
	STD	00150	04.40	34.65	27.49	00.132	1470.5							
	OBS	00150	04.39	34.66	27.50		1470.5							
	OBS	00175	04.19	34.68	27.53		1470.1							
	STD	00200	03.91	34.75	27.62	00.160	1469.4							
	OBS	00201	03.60	34.75	27.62		1469.4							
	OBS	00217	03.90	34.78	27.64		1469.7							
	OBS	00226	04.23	34.80	27.62		1471.3							
	STD	00250	04.39	34.90	27.68	00.184	1472.5							
	OBS	00251	04.40	34.90	27.69		1472.5							
	OBS	00276	04.57	34.92	27.68		1473.7							
	STD	00300	04.57	34.93	27.69	00.206	1474.1							
	OBS	00300	04.57	34.93	27.69		1474.1							
	OBS	00350	04.57	34.97	27.72		1475.0							
	STD	00400	04.48	34.96	27.72	00.250	1475.4							
	OBS	00401	04.48	34.96	27.72		1475.4							
	OBS	00451	04.41	34.97	27.74		1476.0							
	STD	00500	04.30	34.96	27.74	00.262	1476.3							
	OBS	00500	04.30	34.96	27.74		1476.3							
	OBS	00550	04.23	34.96	27.75		1476.8							
	STD	00600	04.23	34.97	27.76	00.333	1477.7							
	OBS	00601	04.23	34.97	27.76		1477.7							
	OBS	00652	04.03	34.95	27.76		1477.7							
	STD	00700	03.99	34.94	27.76	00.374	1478.3							
	OBS	00700	03.99	34.94	27.76		1478.3							
	OBS	00751	04.04	34.96	27.77		1476.4							
	STD	00800	03.64	34.95	27.77	00.415	1479.8							
	OBS	00801	03.94	34.95	27.77		1479.8							
	OBS	00852	03.92	34.95	27.78		1480.6							
	STD	00900	03.61	34.95	27.78	00.457	1481.3							
	OBS	00900	03.91	34.95	27.78		1481.3							
	OBS	00951	03.87	34.94	27.77		1482.0							
	STD	01000	03.82	34.94	27.78	00.498	1482.6							
	OBS	01001	03.82	34.94	27.78		1482.6							
	OBS	01020	03.82	34.94	27.78		1482.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454	YEAR 1975	BOTCP 03263	AIR TEMP 01.0	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SO 1306
CONSEC 0048	MONTH 04	SHIP EV	WET BULB 00.5	99 X X	WIND-SPD 19	TRACE DIA	5 SQUARE 4
LAT 45 13.5N	DAY 14	DATA USE 1	BAROMETER 1007.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 02.5W	HOUR 22.2	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	ORIG 011 737	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OKYG	PO4	TOT-P	NO2	NO3	SI03	PH
22.2	STD	00000	02.29	33.63	26.87	00.000	1457.7							
	OBS	00003	02.29	33.63	26.87		1457.7							
	STD	00010	02.31	33.64	26.88	00.012	1457.9							
	OBS	00011	02.31	33.64	26.88		1457.9							
	STD	00020	02.30	33.64	26.88	00.024	1458.1							
	OBS	00020	02.30	33.64	26.88		1458.1							
	STD	00030	02.27	33.64	26.88	00.035	1458.1							
	OBS	00030	02.27	33.64	26.88		1458.1							
	OBS	00043	02.93	33.88	27.02		1461.5							
	OBS	00047	03.19	33.92	27.03		1462.7							
	STD	00050	03.25	33.97	27.06	00.057	1463.1							
	OBS	00051	03.20	33.99	27.07		1463.4							
	OBS	00053	03.29	34.01	27.08		1463.8							
	OBS	00055	03.97	34.12	27.11		1466.5							
	STD	00075	04.51	34.35	27.27	00.080	1469.4							
	OBS	00076	04.53	34.39	27.27		1469.5							
	OBS	00078	04.56	34.39	27.26		1469.7							
	OBS	00081	04.33	34.36	27.26		1468.7							
	OBS	00085	04.42	34.43	27.31		1469.3							
	OBS	00091	04.17	34.42	27.33		1468.3							
	OBS	00093	03.85	34.36	27.31		1466.9							
	STD	00100	03.55	34.42	27.36	00.100	1467.1							
	OBS	00100	03.85	34.43	27.37		1467.1							
	OBS	00102	04.07	34.46	27.37		1468.1							
	OBS	00110	04.12	34.53	27.42		1468.5							
	OBS	00112	04.41	34.56	27.41		1469.8							
	OBS	00119	04.37	34.54	27.40		1469.8							
	STD	00125	03.65	34.44	27.40	00.118	1468.7							
	OBS	00127	03.46	34.42	27.40		1465.6							
	OBS	00133	03.41	34.45	27.43		1469.8							
	OBS	00140	03.64	34.52	27.46		1467.0							
	STD	00150	03.71	34.53	27.46	00.134	1467.5							
	OBS	00152	03.76	34.53	27.46		1467.7							
	OBS	00163	04.14	34.64	27.51		1469.7							
	OBS	00175	04.16	34.63	27.50		1469.6							
	OBS	00196	04.16	34.70	27.55		1470.4							
	STD	00200	04.50	34.76	27.56	00.164	1471.9							
	OBS	00205	04.75	34.81	27.57		1473.1							
	OBS	00209	04.76	34.82	27.58		1473.2							
	OBS	00213	05.15	34.86	27.57		1475.0							
	OBS	00226	04.93	34.80	27.55		1474.2							
	STD	00250	04.34	34.76	27.58	00.192	1472.1							
	OBS	00251	04.32	34.76	27.58		1472.0							
	OBS	00266	04.23	34.78	27.61		1471.9							
	OBS	00268	04.01	34.74	27.60		1471.0							
	OBS	00276	03.93	34.76	27.62		1470.8							
	OBS	00281	04.19	34.80	27.63		1472.0							
	STD	00300	04.31	34.81	27.62	00.218	1472.6							
	OBS	00300	04.32	34.81	27.62		1472.9							
	OBS	00306	04.12	34.78	27.62		1472.1							
	OBS	00310	03.81	34.74	27.62		1470.8							
	OBS	00321	03.73	34.80	27.68		1470.7							
	OBS	00327	04.16	34.87	27.69		1472.7							
	OBS	00350	04.28	34.87	27.67		1473.6							
	STD	00400	04.60	34.96	27.71	00.265	1475.6							
	OBS	00401	04.60	34.96	27.71		1475.9							
	OBS	00451	04.33	34.94	27.72		1475.6							
	STD	00500	04.17	34.94	27.74	00.308	1475.8							
	OBS	00502	04.17	34.94	27.74		1475.8							
	OBS	00546	04.14	34.94	27.75		1476.4							
	STD	00600	03.90	34.92	27.75	00.349	1476.2							
	STD	00700	03.61	34.90	27.76	00.390	1476.6							
	OBS	00765	03.55	34.89	27.77		1477.5							
	OBS	00780	03.55	34.89	27.77		1477.7							
	STD	00800	03.63	34.90	27.77	00.431	1478.4							
	OBS	00801	03.64	34.90	27.77		1478.5							
	OBS	00852	03.74	34.91	27.76		1479.7							
	STD	00900	03.65	34.91	27.77	00.472	1480.2							
	OBS	00900	03.65	34.91	27.77		1480.2							
	OBS	00951	03.51	34.88	27.76		1480.4							
	STD	01000	03.46	34.88	27.77	00.514	1481.0							
	OBS	01001	03.46	34.88	27.77		1481.0							
	OBS	01024	03.46	34.88	27.77		1481.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8454	YEAR 1975	BOTDP 02151	AIR TEMP	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN 50 1306							
CONSEC 0049	MONTH 04	SHIP EV	NET BULB	95 X X	WIND-SPD 12	TRACE DIR C	5 SQUARE 4							
LAT 45 30 N	DAY 15	DATA USE 1	BAROMETR 1004.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 047 28 W	HOUR 01.6	AREA 05	CLCUD 7/A	CL/TR	WEATHER X2	ORIG 011 738	1 SQUARE 57							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.6	STD	00000	- 0.05	33.25	26.72	00.000	1446.6							
	OBS	00001	- 0.05	33.25	26.72		1446.7							
	OBS	00003	- 0.07	33.25	26.72		1446.6							
	OBS	00007	- 0.07	33.24	26.71		1446.7							
	OBS	00006	00.05	33.38	26.82		1447.4							
	STD	00010	00.32	33.39	26.82	00.013	1448.7							
	OBS	00013	01.01	33.50	26.81		1455.6							
	OBS	00017	02.95	33.64	26.83		1460.8							
	OBS	00019	03.03	33.71	26.88		1461.3							
	STD	00020	03.12	33.71	26.87	00.025	1461.7							
	OBS	00022	03.31	33.74	26.87		1462.6							
	STD	00030	03.49	33.89	26.98	00.036	1463.7							
	OBS	00030	03.50	33.90	26.98		1463.8							
	OBS	00034	03.61	33.95	27.01		1464.4							
	OBS	00038	03.90	34.01	27.03		1465.7							
	OBS	00045	03.65	33.99	27.04		1464.8							
	STD	00050	03.62	33.98	27.04	00.058	1464.7							
	OBS	00053	03.39	33.95	27.03		1463.7							
	OBS	00064	02.19	33.86	27.07		1458.6							
	OBS	00070	02.36	33.90	27.08		1459.5							
	STD	00075	02.11	33.96	27.16	00.082	1458.6							
	OBS	00076	02.06	33.98	27.17		1458.4							
	OBS	00078	01.97	33.96	27.16		1458.0							
	OBS	00085	02.31	34.05	27.21		1459.7							
	OBS	00087	02.32	34.06	27.22		1459.8							
	STD	00100	02.07	34.15	27.31	00.103	1459.1							
	OBS	00100	02.06	34.16	27.32		1459.0							
	STD	00125	02.21	34.28	27.40	00.122	1460.3							
	OBS	00125	02.22	34.28	27.40		1460.3							
	STD	00150	02.57	34.42	27.48	00.138	1462.4							
	OBS	00152	02.63	34.45	27.50		1462.8							
	OBS	00158	02.81	34.54	27.56		1463.8							
	OBS	00159	03.42	34.62	27.56		1466.5							
	OBS	00161	03.56	34.61	27.54		1467.1							
	OBS	00173	03.42	34.58	27.53		1466.7							
	OBS	00177	03.74	34.68	27.58		1468.2							
	OBS	00178	03.62	34.67	27.56		1468.6							
	OBS	00188	04.79	34.82	27.58		1473.0							
	STD	00200	04.84	34.84	27.59	00.167	1473.4							
	OBS	00201	04.85	34.85	27.60		1473.5							
	OBS	00207	05.22	34.89	27.58		1475.2							
	OBS	00211	05.03	34.86	27.58		1474.4							
	OBS	00218	04.50	34.78	27.58		1472.3							
	OBS	00228	04.29	34.76	27.59		1471.5							
	OBS	00247	04.28	34.78	27.60		1471.8							
	STD	00250	04.54	34.84	27.62	00.193	1473.0							
	OBS	00255	04.96	34.94	27.65		1475.0							
	OBS	00276	04.93	34.91	27.63		1475.1							
	STD	00300	04.89	34.96	27.68	00.217	1475.4							
	OBS	00300	04.85	34.96	27.68		1475.5							
	OBS	00352	04.98	34.99	27.69		1476.7							
	STD	00400	04.51	34.94	27.71	00.262	1475.5							
	OBS	00401	04.51	34.94	27.70		1475.5							
	OBS	00451	04.71	35.00	27.73		1477.3							
	STD	00500	04.42	34.95	27.72	00.306	1476.8							
	OBS	00500	04.42	34.95	27.72		1476.8							
	OBS	00550	04.24	34.96	27.75		1476.9							
	STD	00600	04.16	34.95	27.75	00.349	1477.4							
	OBS	00601	04.16	34.95	27.75		1477.4							
	OBS	00651	04.12	34.95	27.76		1478.0							
	STD	00700	04.04	34.94	27.76	00.391	1478.5							
	OBS	00702	04.03	34.94	27.76		1478.5							
	OBS	00750	03.89	34.93	27.76		1478.7							
	STD	00800	03.74	34.91	27.76	00.432	1478.6							
	OBS	00803	03.74	34.91	27.76		1478.9							
	OBS	00850	03.78	34.93	27.77		1479.9							
	STD	00900	03.74	34.92	27.77	00.474	1480.5							
	OBS	00900	03.74	34.92	27.77		1480.6							
	OBS	00951	03.67	34.91	27.77		1481.1							
	STD	01000	03.64	34.91	27.77	00.516	1481.8							
	OBS	01001	03.64	34.91	27.77		1481.8							
	OBS	01018	03.64	34.92	27.78		1482.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
REFID 31 8454	YEAR 1975	BOATDP 01312	AIR TEMP 00.2	DIR MGT PER	WIND-DIR 27	INST STD RECORDER	TEN SO 1306							
CONSEC 0090	MONTH 04	SHIP EV	WET BULB -00.5	99 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4							
LAT 45 40 N	DAY 15	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 047 44 W	HOUR 04.1	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 735	1 SQUARE 57							
CASHTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PO4	TOT P	MO2	MO3	SIO3	PH
04.1	STD	00000	- 0.64	32.96	26.51	00.000	1443.4							
	08S	00001	- 0.64	32.96	26.51		1443.4							
	STD	00010	- 0.65	32.67	26.52	00.015	1443.6							
	08S	00011	- 0.65	32.67	26.52		1443.7							
	STD	00020	- 0.78	32.99	26.54	00.030	1443.2							
	08S	00022	- 0.83	33.00	26.55		1443.0							
	STD	00030	- 0.95	33.04	26.58	00.045	1442.7							
	08S	00030	- 0.96	33.04	26.59		1442.6							
	08S	00043	- 1.23	33.24	26.76		1441.9							
	STD	00050	- 1.19	33.34	26.84	00.072	1442.3							
	08S	00051	- 1.19	33.37	26.86		1442.4							
	08S	00055	- 1.20	33.45	26.93		1442.5							
	STD	00075	00.17	33.80	27.15	00.099	1449.6							
	08S	00076	00.22	33.81	27.16		1449.9							
	STD	00100	00.47	33.98	27.28	00.120	1451.7							
	08S	00100	00.49	33.99	27.29		1451.8							
	STD	00125	01.14	34.11	27.34	00.140	1453.3							
	08S	00125	01.15	34.11	27.34		1453.3							
	STD	00150	01.37	34.25	27.44	00.157	1456.9							
	08S	00150	01.37	34.25	27.44		1456.9							
	08S	00175	01.52	34.30	27.47		1458.1							
	STD	00200	01.61	34.38	27.53	00.188	1459.0							
	08S	00201	01.63	34.39	27.53		1459.1							
	08S	00226	02.11	34.50	27.58		1461.8							
	STD	00250	02.04	34.51	27.60	00.215	1461.9							
	08S	00251	02.04	34.51	27.60		1461.9							
	08S	00277	02.08	34.55	27.63		1462.6							
	08S	00295	02.20	34.58	27.64		1463.4							
	STD	00300	02.39	34.61	27.65	00.240	1464.4							
	08S	00300	02.43	34.62	27.65		1464.6							
	08S	00302	02.54	34.64	27.66		1465.1							
	08S	00308	02.88	34.68	27.66		1466.7							
	08S	00352	03.11	34.75	27.70		1468.5							
	STD	00400	03.55	34.83	27.72	00.284	1471.3							
	08S	00401	03.56	34.83	27.72		1471.4							
	08S	00453	03.54	34.84	27.73		1472.3							
	STD	00500	03.55	34.85	27.73	00.326	1473.0							
	08S	00500	03.55	34.85	27.73		1473.0							
	08S	00550	03.53	34.86	27.74		1473.8							
	STD	00600	03.49	34.86	27.75	00.367	1474.4							
	08S	00601	03.45	34.86	27.75		1474.4							
	08S	00651	03.49	34.86	27.75		1475.3							
	STD	00700	03.46	34.86	27.75	00.408	1476.0							
	08S	00700	03.46	34.86	27.75		1476.0							
	08S	00751	03.46	34.86	27.75		1476.8							
	STD	00800	03.43	34.86	27.76	00.450	1477.4							
	08S	00803	03.40	34.86	27.76		1477.4							
	08S	00850	03.38	34.86	27.76		1478.1							
	STD	00900	03.37	34.86	27.76	00.491	1478.9							
	08S	00900	03.37	34.86	27.76		1478.9							
	08S	00951	03.37	34.86	27.76		1479.8							
	STD	01000	03.37	34.86	27.76	00.534	1480.6							
	08S	01003	03.37	34.86	27.76		1480.6							
	08S	01020	03.37	34.86	27.76		1480.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00460 AIR TEMP 00.5 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
 COMSEC 0391 MONTH 04 SHIP EV MET BULB -00.3 00 X X WIND-SPD 36 TRACE DIR 0 5 SQUARE 4
 LAT 45 45.04 DAY 15 DATA USE 1 BAROMETER 1006.2 SEA WIND-FOR DURATION 00.2 2 SQUARE 46
 LONG 047 38.24 HOUR 06.0 AREA 05 CLUD T/A CL/TR WEATHER X2 ORIG 011 740 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.0	STD	00000	- 0.69	32.90	26.46	00.000	1443.2							
	OBS	00003	- 0.65	32.90	26.46		1443.2							
	STD	00010	- 0.70	32.90	26.46	00.016	1443.3							
	OBS	00011	- 0.70	32.90	26.46		1443.3							
	STD	00020	- 0.74	32.91	26.47	00.031	1443.3							
	OBS	00020	- 0.75	32.91	26.47		1443.3							
	STD	00030	- 0.91	32.94	26.50	00.047	1442.7							
	OBS	00030	- 0.92	32.94	26.50		1442.7							
	OBS	00040	- 1.25	33.00	26.56		1441.4							
	STD	00050	- 1.46	33.08	26.63	00.077	1440.7							
	OBS	00051	- 1.48	33.09	26.64		1440.6							
	OBS	00062	- 1.59	33.18	26.72		1440.4							
	STD	00075	- 1.42	33.23	26.76	00.110	1441.5							
	OBS	00076	- 1.40	33.24	26.76		1441.6							
	STD	00100	- 0.65	33.46	26.92	00.141	1445.8							
	OBS	00100	- 0.63	33.47	26.92		1445.9							
	STD	00125	- 0.30	33.56	26.98	00.165	1448.0							
	OBS	00125	- 0.29	33.56	26.98		1448.0							
	STD	00150	- 0.01	33.66	27.05	00.195	1449.8							
	OBS	00150	- 0.01	33.66	27.05		1449.9							
	OBS	00175	00.19	33.72	27.09		1451.3							
	STD	00200	00.59	33.87	27.19	00.243	1453.7							
	OBS	00201	00.61	33.88	27.19		1453.8							
	OBS	00226	00.81	33.92	27.21		1455.2							
	STD	00250	00.90	33.97	27.25	00.286	1456.1							
	OBS	00253	00.91	33.98	27.25		1456.2							
	OBS	00276	01.02	34.03	27.29		1457.1							
	STD	00300	01.11	34.14	27.37	00.325	1458.1							
	OBS	00300	01.12	34.14	27.37		1458.1							
	OBS	00350	01.76	34.39	27.52		1462.1							
	STD	00400	02.65	34.66	27.67	00.384	1467.2							
	OBS	00401	02.67	34.67	27.67		1467.4							
	OBS	00451	03.20	34.76	27.70		1470.6							

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00120 AIR TEMP WIND-DIR 16 INST STD RECORDER TEN SQ 1306
 COMSEC 0052 MONTH 04 SHIP EV MET BULB 00 0 X WIND-SPD 36 TRACE DIR 0 5 SQUARE 4
 LAT 45 52 N DAY 15 DATA USE 1 BAROMETER 1006.8 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 048 08 W HOUR 07.5 AREA 05 CLUD T/A CL/TR WEATHER X7 ORIG 011 741 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SI03	PH
07.5	STD	00000	- 0.73	32.92	26.48	00.000	1443.0							
	OBS	00005	- 0.73	32.92	26.48		1443.1							
	STD	00010	- 0.73	32.92	26.48	00.016	1443.2							
	STD	00020	- 0.73	32.92	26.48	00.031	1443.4							
	STD	00030	- 0.73	32.92	26.48	00.047	1443.5							
	OBS	00030	- 0.73	32.92	26.48		1443.5							
	STD	00050	- 1.05	32.98	26.54	00.077	1442.3							
	OBS	00055	- 1.16	33.01	26.57		1442.0							
	STD	00075	- 1.37	33.20	26.73	00.113	1441.7							
	OBS	00079	- 1.40	33.24	26.76		1441.7							
	STD	00100	- 1.42	33.38	26.87	00.144	1442.1							
	OBS	00100	- 1.43	33.38	26.88		1442.1							
	OBS	00112	- 1.95	33.36	26.86		1441.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00099 AIR TEMP DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1306
 CONSEC 0053 MONTH 04 SHIP EV WET BULB 29 1 2 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
 LAT 45 57 N DAY 15 DATA USE 1 BAROMETER 1005.0 SEA WIND-FOR 00.1 DURATION 00.1 2 SQUARE 48
 LONG 048 16.5W HOUR 08.7 AREA 05 CLCUD T/A CL/TR WEATHER X2 ORIG 011 742 1 SQUARE 58

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXG	PO4	TOT P	NO2	NO3	SIO3	PH
08.7	STD	00000	- 0.67	32.86	26.43	00.000	1443.2							
	OBS	00003	- 0.67	32.86	26.43		1443.3							
	STD	00010	- 0.66	32.87	26.44	00.016	1443.4							
	OBS	00015	- 0.66	32.87	26.44		1443.5							
	STD	00020	- 0.67	32.87	26.44	00.032	1443.6							
	STD	00030	- 0.70	32.87	26.44	00.048	1443.6							
	OBS	00030	- 0.70	32.87	26.44		1443.6							
	STD	00050	- 1.29	32.93	26.51	00.079	1441.2							
	OBS	00055	- 1.39	32.99	26.56		1440.9							
	OBS	00060	- 1.47	33.07	26.63		1440.8							
	OBS	00064	- 1.49	33.10	26.65		1440.8							
	STD	00075	- 1.35	33.28	26.75	00.114	1441.9							
	OBS	00079	- 1.34	33.32	26.82		1442.0							
	OBS	00091	- 1.46	33.31	26.82		1441.7							

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 03086 AIR TEMP 00.2 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1306
 CONSEC 0054 MONTH 04 SHIP EV WET BULB -01.0 99 X X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
 LAT 46 08.5N DAY 15 DATA USE 1 BAROMETER 1006.0 SEA WIND-FOR 00.1 DURATION 00.1 2 SQUARE 68
 LONG 048 33.5W HOUR 10.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 743 1 SQUARE 68

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXG	PO4	TOT P	NO2	NO3	SIO3	PH
10.3	STD	00000	- 0.48	32.94	26.45	00.000	1444.2							
	OBS	00003	- 0.48	32.94	26.45		1444.3							
	STD	00010	- 0.47	32.94	26.45	00.016	1444.4							
	OBS	00015	- 0.47	32.95	26.50		1444.5							
	STD	00020	- 0.48	32.97	26.51	00.031	1444.6							
	STD	00030	- 0.54	33.00	26.54	00.046	1444.5							
	OBS	00030	- 0.54	33.00	26.54		1444.5							
	STD	00050	- 0.75	33.04	26.58	00.076	1443.9							
	OBS	00055	- 0.80	33.04	26.58		1443.8							
	OBS	00064	- 0.90	33.04	26.58		1443.5							
	STD	00075	- 1.36	33.07	26.62	00.112	1441.5							
	OBS	00076	- 1.41	33.09	26.64		1441.3							
	OBS	00077	- 1.29	33.11	26.65		1441.9							

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00070 AIR TEMP 00.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306
 CONSEC 0055 MONTH 04 SHIP EV WET BULB -00.3 01 1 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
 LAT 46 16 N DAY 15 DATA USE 1 BAROMETER 1017.5 SEA WIND-FOR 00.0 DURATION 00.0 2 SQUARE 68
 LONG 048 45.5W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 744 10 1 SQUARE 68

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	STD	00000	- 0.19	33.06	26.57	00.000	1445.7							
	OBS	00001	- 0.19	33.06	26.57		1445.8							
	STD	00010	- 0.22	33.05	26.57	00.015	1445.7							
	OBS	00011	- 0.23	33.05	26.57		1445.7							
	STD	00020	- 0.26	33.05	26.56	00.030	1445.7							
	STD	00030	- 0.30	33.04	26.56	00.044	1445.7							
	OBS	00030	- 0.30	33.04	26.56		1445.7							
	OBS	00040	- 0.77	33.06	26.60		1443.7							
	OBS	00049	- 0.79	33.07	26.60		1443.8							
	STD	00050	- 0.79	33.07	26.60	00.074	1443.8							
	OBS	00055	- 0.78	33.07	26.60		1443.9							
	OBS	00059	- 0.90	33.05	26.55		1443.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0454	YEAR 1975	BOTOP 04517	AIR TEMP 17.0	DIR AGT PER	WIND-DIR 19	INST STD RECORDER	TEN SO 1506							
CONSEC 0056	MONTH 04	SHIP EV	WET BULB 15.8	19 5 4	WIND-SPD 24	TRACE DIR D	5 SQUARE 2							
LAT 43 51.2N	DAY 21	DATA USE 1	BARCHETA 1001.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 24							
LONG 045 02 W	HOUR 17.3	AREA 05	CLOUD T/A	CL/TR	WEATHER K2	ORIG 011 745 11	1 SQUARE 35							
CASIMU/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.3	STD	00000	15.40	36.09	26.74	00.000	1510.0							
	OBS	00005	15.40	36.09	26.74		1510.1							
	OBS	00007	15.40	36.09	26.74		1510.1							
	OBS	00009	15.40	36.08	26.73		1510.1							
	STD	00010	15.40	36.08	26.74	00.013	1510.1							
	OBS	00011	15.39	36.09	26.74		1510.1							
	OBS	00013	15.38	36.09	26.74		1510.1							
	OBS	00015	15.40	36.09	26.74		1510.2							
	OBS	00017	15.39	36.09	26.74		1510.2							
	OBS	00019	15.38	36.08	26.74		1510.2							
	STD	00020	15.40	36.08	26.73	00.026	1510.3							
	OBS	00020	15.40	36.08	26.73		1510.3							
	OBS	00022	15.38	36.09	26.74		1510.3							
	OBS	00024	15.40	36.08	26.73		1510.4							
	OBS	00026	15.38	36.07	26.73		1510.3							
	OBS	00028	15.37	36.09	26.75		1510.4							
	STD	00030	15.37	36.08	26.74	00.040	1510.4							
	OBS	00030	15.37	36.08	26.74		1510.4							
	OBS	00032	15.37	36.08	26.74		1510.4							
	OBS	00034	15.37	36.08	26.74		1510.4							
	OBS	00036	15.30	36.09	26.76		1510.3							
	OBS	00038	15.34	36.08	26.74		1510.1							
	OBS	00040	15.35	36.06	26.73		1510.5							
	OBS	00041	15.33	36.06	26.73		1510.4							
	OBS	00043	15.31	36.06	26.74		1510.4							
	OBS	00045	15.29	36.06	26.74		1510.4							
	OBS	00047	15.26	36.05	26.74		1510.3							
	OBS	00049	15.24	36.05	26.74		1510.2							
	STD	00050	15.24	36.06	26.75	00.066	1510.3							
	OBS	00051	15.24	36.06	26.75		1510.3							
	OBS	00053	15.21	36.00	26.71		1510.2							
	OBS	00055	15.15	36.01	26.73		1510.0							
	OBS	00059	15.13	36.01	26.75		1509.9							
	OBS	00062	15.04	35.99	26.74		1509.8							
	OBS	00066	14.98	35.98	26.75		1509.6							
	OBS	00070	14.99	36.00	26.76		1509.7							
	OBS	00072	15.00	36.00	26.76		1509.8							
	OBS	00074	14.95	35.99	26.76		1509.7							
	STD	00075	14.95	35.99	26.76	00.095	1509.7							
	OBS	00076	14.94	35.99	26.77		1509.7							
	OBS	00079	14.85	35.98	26.78		1509.4							
	OBS	00083	14.76	35.95	26.77		1509.2							
	OBS	00085	14.64	35.92	26.78		1508.8							
	OBS	00087	14.55	35.91	26.79		1508.5							
	OBS	00089	14.51	35.92	26.81		1508.4							
	OBS	00095	14.41	35.90	26.81		1508.2							
	OBS	00097	14.36	35.91	26.83		1508.1							
	STD	00100	14.34	35.91	26.83	00.131	1508.1							
	OBS	00108	14.26	35.89	26.84		1507.9							
	STD	00125	13.95	35.81	26.84	00.163	1507.1							
	OBS	00125	13.94	35.81	26.84		1507.0							
	STD	00150	13.51	35.76	26.90	00.193	1506.0							
	OBS	00150	13.50	35.76	26.90		1505.9							
	OBS	00175	12.95	35.59	26.88		1504.3							
	OBS	00180	12.41	35.44	26.87									
	STD	00200	12.36	35.51	26.93	00.253	1502.6							
	OBS	00201	12.36	35.50	26.93		1502.6							
	OBS	00207	12.54	35.57	26.94		1503.4							
	OBS	00213	12.87	35.65	26.94		1504.7							
	OBS	00226	12.50	35.55	26.94		1503.6							
	STD	00250	12.25	35.55	26.98	00.312	1503.1							
	OBS	00251	12.24	35.55	26.99		1503.1							
	OBS	00264	12.08	35.52	27.00		1502.7							
	OBS	00276	11.59	35.37	26.97		1501.0							
	OBS	00277	11.47	35.38	27.00		1500.7							
	OBS	00281	11.17	35.34	27.03		1499.4							
	STD	00300	11.19	35.42	27.09	00.367	1500.1							
	OBS	00302	11.19	35.43	27.09		1500.2							
	OBS	00304	10.91	35.36	27.09		1499.1							
	OBS	00316	09.67	35.07	27.08		1494.5							
	OBS	00338	08.90	34.97	27.13		1491.9							
	OBS	00340	08.60	34.79	27.06									
	OBS	00342	08.17	34.79	27.100									
	OBS	00346	08.26	35.05	27.290									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SWNDPTH	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
085	00348	08.55	35.02	27.23	*		1490.8							
085	00350	08.75	35.18	27.320	P									
085	00352	09.02	35.12	27.23	*		1492.7							
085	00361	09.56	35.30	27.28	*		1495.1							
STD	00400	09.04	35.20	27.29		00.443	1493.7							
085	00401	09.01	35.20	27.29			1493.6							
085	00451	08.04	35.10	27.37			1490.6							
085	00456	07.72	35.03	27.36			1489.4							
085	00462	07.26	34.92	27.34			1487.6							
085	00498	06.46	34.91	27.44			1485.0							
STD	00500	06.36	34.88	27.43		00.544	1484.6							
085	00502	06.20	34.82	27.41			1483.5							
085	00523	06.23	34.89	27.46			1484.5							
085	00527	05.87	34.82	27.45			1483.0							
085	00536	05.57	34.80	27.47			1481.9							
085	00550	04.88	34.75	27.51			1475.2							
085	00553	03.99	34.58	27.48	*		1475.4							
085	00555	03.66	34.58	27.51			1474.0							
085	00561	03.32	34.55	27.52			1472.6							
085	00563	03.32	34.57	27.53			1472.7							
085	00569		34.74	27.61			1476.0							
085	00573		34.79	27.60			1477.5							
085	00590	04.24	34.78	27.61			1477.3							
085	00597	04.57	34.82	27.60			1478.8							
STD	00600	04.58	34.82	27.60		00.605	1478.9							
085	00601	04.59	34.82	27.60			1479.0							
085	00631	04.73	34.90	27.65			1480.5							
085	00694	04.31	34.88	27.68			1479.5							
STD	00700	04.43	34.89	27.68		00.662	1480.1							
085	00702	04.48	34.90	27.68			1480.5							
085	00750	04.28	34.91	27.71			1480.3							
STD	00800	04.37	34.95	27.73		00.710	1481.5							
085	00801	04.37	34.95	27.73			1481.6							
085	00850	04.42	34.96	27.73			1482.6							
STD	00900	04.37	34.96	27.74		00.756	1483.2							
085	00900	04.37	34.96	27.74			1483.2							
085	00951	04.51	35.00	27.75			1484.7							
STD	01000	04.25	34.97	27.76		00.802	1484.4							
085	01001	04.24	34.97	27.76			1484.4							
085	01020	04.17	34.96	27.76			1484.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 0454	YEAR 1975	BOTDP 04389	AIR TEMP 11.0	DIA HGT PER	WIND-DIR 18	INST STC RECORDER	TEN SO 1306							
CONSEC 0057	MONTH 04	SHIP EV	WET BULB 10.8	22 2 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2							
LA 43 57 N	DAY 21	DATA USE 1	BAROMETER 1013.3	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 24							
LCNG 045 37 W	MOJR 21.7	AREA 05	CLOUD T/A	CL/TR	WEATHER R4	CRIS 011 744	1 SQUARE 35							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.7	STD	00000	04.23	33.72	26.77	00.000	1466.1							
	OBS	00001	04.23	33.72	26.77		1466.1							
	STD	00010	04.23	33.72	26.77	00.013	1466.3							
	OBS	00011	04.22	33.72	26.77		1466.2							
	OBS	00015	04.18	33.72	26.77		1466.1							
	STD	00020	04.35	33.78	26.80	00.026	1467.0							
	OBS	00022	04.43	33.82	26.83		1467.5							
	OBS	00026	04.51	33.87	26.86		1467.9							
	STD	00030	04.91	33.95	26.90	00.038	1469.8							
	OBS	00030	04.97	34.00	26.91		1470.1							
	OBS	00034	05.44	34.08	26.92		1472.2							
	STD	00050	05.84	34.17	26.94	00.061	1474.3							
	OBS	00051	05.85	34.18	26.94		1474.4							
	OBS	00072	06.10	34.24	26.96		1475.7							
	STD	00075	06.39	34.34	27.00	00.068	1477.0							
	OBS	00076	06.51	34.37	27.01		1477.5							
	OBS	00079	06.90	34.47	27.04		1479.3							
	STD	00100	07.42	34.61	27.08	00.114	1481.8							
	OBS	00100	07.44	34.62	27.08		1481.9							
	OBS	00108	07.07	34.53	27.06		1480.5							
	STD	00125	06.54	34.60	27.12	00.135	1480.3							
	OBS	00125	06.53	34.60	27.13		1480.3							
	OBS	00137	06.74	34.59	27.15		1479.7							
	STD	00150	06.12	34.60	27.24	00.162	1477.5							
	OBS	00150	06.11	34.60	27.24		1477.5							
	OBS	00175	06.30	34.71	27.30		1479.0							
	OBS	00177	06.32	34.70	27.30		1478.9							
	OBS	00182	05.84	34.62	27.29		1476.6							
	STD	00200	05.75	34.64	27.32	00.203	1476.9							
	OBS	00201	05.73	34.64	27.32		1476.8							
	OBS	00226	05.28	34.63	27.37		1475.4							
	STD	00250	04.86	34.61	27.41	00.241	1474.0							
	OBS	00253	04.80	34.61	27.41		1473.8							
	OBS	00260	05.03	34.67	27.43		1475.0							
	OBS	00276	04.50	34.69	27.45		1475.0							
	OBS	00277	04.93	34.68	27.45		1474.9							
	OBS	00283	05.13	34.72	27.46		1475.8							
	STD	00300	05.01	34.71	27.47	00.275	1475.6							
	OBS	00300	05.01	34.74	27.490									
	OBS	00312	05.00	34.69	27.45		1475.7							
	OBS	00331	04.39	34.62	27.46		1473.4							
	OBS	00335	03.99	34.58	27.48		1471.8							
	OBS	00340	04.10	34.64	27.51		1472.4							
	OBS	00350	03.85	34.62	27.52		1471.6							
	STD	00400	04.63	34.78	27.56	00.337	1475.8							
	OBS	00401	04.63	34.78	27.56		1475.8							
	OBS	00415	04.59	34.78	27.57		1475.9							
	OBS	00430	04.86	34.88	27.62		1477.4							
	OBS	00439	04.17	34.78	27.61		1474.5							
	OBS	00451	04.61	34.88	27.65		1476.7							
	OBS	00472	05.00	34.92	27.63		1478.7							
	C.S	00485	05.18	34.98	27.66		1479.7							
	OBS	00487	05.17	34.98	27.66		1479.7							
	STD	00500	04.58	34.88	27.65	00.391	1477.4							
	OBS	00500	04.56	34.88	27.65		1477.3							
	OBS	00550	04.41	34.94	27.72		1477.6							
	STD	00600	04.50	34.94	27.71	00.439	1478.8							
	OBS	00601	04.50	34.94	27.71		1478.8							
	OBS	00652	04.60	34.98	27.73		1480.1							
	STD	00700	04.57	34.99	27.74	00.484	1480.8							
	OBS	00702	04.57	34.95	27.74		1480.8							
	OBS	00750	04.62	35.00	27.74		1481.8							
	STD	00800	04.08	34.93	27.74	00.525	1480.3							
	OBS	00801	04.07	34.93	27.74		1480.3							
	OBS	00850	04.12	34.94	27.75		1481.3							
	STD	00920	04.12	34.95	27.76	00.573	1482.2							
	OBS	00900	04.12	34.95	27.76		1482.2							
	OBS	00953	04.03	34.94	27.76		1482.7							
	STD	01000	03.99	34.95	27.77	00.617	1483.3							
	OBS	01001	03.99	34.95	27.77		1483.3							
	OBS	01020	03.94	34.94	27.76		1483.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C S T A T I O N C A T A

REFID	31	0454	YEAR 1975	BOTPD 04239	AIR TEMP	08.0	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN 5G 1306
CONSEC		0454	MONTH 04	SHI EV	WET BULB	07.1	28 2 1	WIND-PO 00	TRACE STD D	5 SQUARE
LAT	44	02.54	DAY 22	DATA USE 1	BAROMETER	1014.0	SEA	WIND-FOR	DURATION	2 SQUARE
LONG	045	58.04	MOUR 00.4	AREA 05	CLOUD T/A		CL/TR	WEATHER X5	ORIG 011 747	1 SQUARE 45

CASSTNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DVNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.4	STD	00000	04.87	33.89	26.83	00.000	1469.0							
	0BS	00000	04.87	33.89	26.83		1465.0							
	STD	00010	04.86	33.88	26.83	00.012	1469.1							
	0BS	00011	04.85	33.88	26.83		1466.1							
	0BS	00017	04.80	33.86	26.83		1469.0							
	0BS	00019	04.53	33.84	26.83		1467.8							
	STD	00022	04.50	33.85	26.84	00.025	1467.7							
	0BS	00020	04.48	33.85	26.84		1467.7							
	0BS	00026	04.44	33.89	26.88		1467.6							
	0BS	00028	04.63	33.94	26.90		1468.5							
	STD	00030	04.83	34.00	26.92	00.036	1469.5							
	0BS	00032	05.30	34.13	26.97		1471.6							
	0BS	00034	05.79	34.26	27.02		1473.8							
	0BS	00038	05.90	34.23	27.06		1474.3							
	0BS	00041	05.81	34.32	27.06		1474.1							
	0BS	00045	06.27	34.34	27.02		1476.0							
	0BS	00047	06.29	34.32	27.00		1476.1							
	STD	00050	06.53	34.47	27.09	00.058	1477.3							
	0BS	00051	06.70	34.51	27.09		1478.1							
	0BS	00053	06.97	34.50	27.05		1479.2							
	0BS	00057	07.13	34.50	27.03		1479.8							
	0BS	00062	07.72	34.67	27.08		1482.5							
	0BS	00070	07.91	34.66	27.04		1483.3							
	STD	00075	06.85	34.53	27.05	00.083	1479.1							
	0BS	00081	06.08	34.34	27.04		1475.5							
	0BS	00083	06.04	34.29	27.01		1475.7							
	0BS	00089	04.85	34.18	27.06		1470.8							
	0BS	00091	04.86	34.28	27.14		1471.0							
	0BS	00095	04.73	34.20	27.09		1470.4							
	STD	00100	04.14	34.17	27.13	00.107	1468.0							
	0BS	00100	04.12	34.16	27.13		1467.9							
	0BS	00102	04.17	34.20	27.15		1468.2							
	0BS	00106	04.46	34.22	27.14		1469.5							
	0BS	00112	05.28	34.39	27.18		1473.2							
	0BS	00118	04.84	34.34	27.21		1471.4							
	0BS	00123	05.05	34.37	27.19		1472.4							
	STD	00125	05.19	34.42	27.21	00.130	1473.1							
	0BS	00126	05.50	34.50	27.24		1474.5							
	0BS	00133	05.57	34.48	27.22		1474.8							
	0BS	00140	04.50	34.33	27.22	</								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 8454 YEAR 1975 BOTOP 03344 AIR TEMP DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1904
 CONSEC 0056 MONTH 04 ST-IP EV WET BULB 05 1 2 WIND-SPD 07 TRACE DIR 0 D 5 SQUARE 2
 LAT 44 05.2N DAY 22 DATA USE 1 BAROMETER 1012.2 SEA CL/TR WIND-FOR WEATHER X2 DURATION 00.3 2 SQUARE 46
 LONG 046 13 W HOUR 03.6 AREA 05 CLOUD T/A ORIG 011 740 1 SQUARE 46

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
03.6	STD	00000	05.62	34.04	26.86	00.000	1472.3							
	0BS	00001	05.62	34.04	26.86		1472.3							
	STD	00010	05.73	34.07	26.88	00.012	1472.5							
	0BS	00011	05.79	34.09	26.88		1473.2							
	STD	00020	06.44	34.29	26.95	00.023	1476.3							
	0BS	00020	06.50	34.30	26.96		1476.5							
	STD	00030	06.55	34.30	26.95	00.035	1476.8							
	0BS	00030	06.55	34.30	26.95		1476.9							
	STD	00050	06.25	34.35	27.03	00.056	1476.0							
	0BS	00051	06.23	34.35	27.03		1476.0							
	STD	00075	06.01	34.43	27.12	00.081	1475.6							
	0BS	00076	06.00	34.43	27.12		1475.6							
	STD	00100	05.98	34.43	27.13	00.105	1475.9							
	0BS	00100	05.93	34.43	27.13		1475.7							
	0BS	00102	05.82	34.45	27.16		1475.3							
	0BS	00108	06.14	34.55	27.20		1476.9							
	STD	00125	06.44	34.60	27.20	00.125	1476.4							
	0BS	00127	06.47	34.61	27.20		1476.5							
	STD	00150	06.57	34.64	27.21	00.151	1479.3							
	0BS	00150	06.57	34.64	27.21		1479.3							
	0BS	00175	06.73	34.79 P	27.310									
	0BS	00178	06.86	34.76 P	27.270									
	0BS	00182	06.68	34.68	27.23		1480.4							
	0BS	00188	06.21	34.65	27.27		1478.6							
	0BS	00194	05.82	34.61	27.29		1477.0							
	STD	00200	05.75	34.61	27.30	00.163	1476.8							
	0BS	00203	05.70	34.61	27.30		1476.7							
	0BS	00226	05.24	34.64	27.38		1475.2							
	STD	00250	05.19	34.69	27.43	00.231	1475.5							
	0BS	00251	05.19	34.69	27.43		1475.5							
	0BS	00268	05.21	34.77	27.49		1476.0							
	0BS	00272	05.68	34.82	27.47		1478.0							
	0BS	00276	05.71	34.82	27.47		1478.2							
	0BS	00258	05.71	34.84	27.48		1478.6							
	STD	00300	05.65	34.83	27.48	00.265	1478.4							
	0BS	00304	05.43	34.79	27.48		1477.5							
	0BS	00352	05.18	34.87	27.57		1477.4							
	0BS	00359	05.10	34.82	27.54		1477.1							
	0BS	00371	04.24	34.74	27.58		1473.6							
	0BS	00394	04.67	34.83	27.60		1475.9							
	0BS	00395	04.28	34.76	27.59		1474.3							
	STD	00400	04.27	34.76	27.56	00.325	1474.3							
	0BS	00403	04.17	34.79	27.62		1473.9							
	0BS	00426	04.32	34.81	27.62		1475.0							
	0BS	00432	03.85	34.74	27.62		1473.0							
	0BS	00434	03.83	34.75	27.63		1473.0							
	0BS	00454	04.00	34.80	27.65		1474.1							
	0BS	00481	04.26	34.87	27.68		1475.7							
	0BS	00489	04.60	34.93	27.69		1477.3							
	STD	00500	04.75	34.96	27.69	00.375	1478.2							
	0BS	00500	04.76	34.96	27.69		1478.2							
	0BS	00550	04.67	34.96	27.70		1478.7							
	STD	00600	04.50	34.96	27.72	00.421	1478.8							
	0BS	00601	04.50	34.96	27.72		1478.8							
	0BS	00651	04.48	34.98	27.74		1479.6							
	STD	00700	04.35	34.97	27.74	00.466	1480.0							
	0BS	00702	04.39	34.97	27.74		1480.0							
	0BS	00751	04.33	34.97	27.75		1480.6							
	STD	00800	04.28	34.98	27.76	00.505	1481.2							
	0BS	00801	04.28	34.98	27.76		1481.2							
	0BS	00850	04.23	34.97	27.76		1481.8							
	STD	00900	04.17	34.97	27.77	00.552	1482.4							
	0BS	00902	04.17	34.97	27.77		1482.5							
	0BS	00951	04.10	34.96	27.77		1483.0							
	STD	01000	04.05	34.96	27.77	00.555	1483.6							
	0BS	01001	04.05	34.96	27.77		1483.6							
	0BS	01022	04.01	34.95	27.77		1483.8							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOR STATION DATA														
REFID 31 0454	YEAR 1975	BOTDP 03528	AIR TEMP 04.5	DIR HGT PER	MIND-DIR 21	INST STD RECORDER	TEN SQ 1306							
CONSEC 0060	MONTH 04	SHIP EV	WET BULB 04.3	21 3 1	MIND-SPD 06	TRACE DIR	5 SQUARE 2							
LAT 44 14 N	DAY 22	DATA USE 1	BAROMETER 1013.5	SEA	MIND-FOR	DURATICA	00.2 2 SQUARE 46							
LONG 046 44.2N	MOOR 06.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	DR10 011 749	1 SQUARE 46							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
06.8	STD	00000	01.45	33.42	26.77	00.000	1453.7							
	OBS	00000	01.45	33.42	26.77		1453.7							
	OBS	00003	01.36	33.34	26.71 *		1453.2							
	OBS	00007	01.72	33.49	26.81		1455.1							
	OBS	00006	02.45	33.72	26.93		1458.6							
	STD	00010	02.60	33.74	26.94	00.012	1459.3							
	OBS	00011	02.98	33.79	26.94		1461.1							
	STD	00020	03.48	33.80	26.88 *	00.024	1464.2							
	OBS	00020	03.73	33.80	26.88		1464.4							
	STD	00030	04.07	33.85	26.89	00.035	1466.1							
	OBS	00032	04.08	33.92	26.94		1466.3							
	OBS	00034	04.07	33.99	27.00		1466.4							
	OBS	00041	04.53	34.20	27.12		1468.7							
	OBS	00043	04.77	34.16	27.06 *		1469.7							
	OBS	00049	04.91	34.20	27.07		1470.4							
	STD	00050	04.98	34.20	27.07	00.057	1470.7							
	OBS	00051	05.10	34.22	27.07		1471.2							
	OBS	00053	05.12	34.26	27.10		1471.4							
	STD	00075	04.68	34.19	27.09	00.082	1469.9							
	OBS	00076	04.62	34.18	27.09		1469.6							
	OBS	00079	04.37	34.16	27.10		1468.6							
	OBS	00097	04.30	34.14	27.09		1468.6							
	STD	00100	04.17	34.13	27.10	00.107	1468.0							
	OBS	00102	03.98	34.11	27.10		1467.3							
	OBS	00106	03.62	34.08	27.12		1465.8							
	OBS	00110	03.62	34.12	27.15		1465.9							
	OBS	00119	04.62	34.25	27.15		1470.4							
	OBS	00123	04.59	34.23	27.13		1470.3							
	STD	00125	05.11	34.33	27.15	00.131	1472.6							
	OBS	00131	06.88	34.67	27.20		1480.3							
	OBS	00142	06.85	34.66	27.19		1480.4							
	OBS	00148	07.16	34.72	27.20		1481.7							
	STD	00150	07.16	34.73	27.20	00.154	1481.8							
	OBS	00150	07.16	34.73	27.20		1481.8							
	OBS	00154	07.28	34.74	27.20		1482.3							
	OBS	00158	07.02	34.68	27.18		1481.3							
	OBS	00171	06.67	34.61	27.18		1480.0							
	OBS	00175	06.09	34.54	27.20		1477.7							
	OBS	00178	06.51	34.67	27.25		1479.6							
	OBS	00184	06.50	34.66	27.24		1479.7							
	OBS	00192	04.16	34.31	27.24		1469.8							
	OBS	00196	03.56	34.36	27.34		1467.4							
	OBS	00199	03.83	34.36	27.32		1468.6							
	STD	00200	03.83	34.36	27.32	00.196	1468.6							
	OBS	00203	03.83	34.33	27.29 *		1468.6							
	OBS	00211	05.14	34.57	27.34		1474.5							
	OBS	00213	05.16	34.56	27.33		1474.6							
	OBS	00218	05.58	34.64	27.34		1476.5							
	OBS	00226	05.28	34.59	27.34		1475.3							
	OBS	00230	05.24	34.64	27.38		1475.3							
	OBS	00236	05.85	34.72	27.37		1478.0							
	STD	00250	05.49	34.65	27.36	00.234	1476.6							
	OBS	00251	05.46	34.65	27.36		1476.6							
	OBS	00276	05.27	34.67	27.40		1476.2							
	OBS	00283	03.74	34.45	27.40		1469.7							
	OBS	00293	03.62	34.56	27.50		1469.5							
	STD	00300	04.14	34.63	27.50	00.265	1471.9							
	OBS	00300	04.19	34.64	27.50		1472.1							
	OBS	00317	04.44	34.68	27.51		1473.5							
	OBS	00323	05.00	34.80	27.54		1476.1							
	OBS	00350	04.71	34.75	27.53		1475.2							
	OBS	00356	05.19	34.87	27.57		1477.5							
	OBS	00361	05.00	34.84	27.57		1476.8							
	OBS	00375	05.05	34.87	27.59		1477.2							
	OBS	00380	04.42	34.76	27.57		1474.6							
	STD	00400	04.33	34.78	27.60	00.327	1474.5							
	OBS	00403	04.32	34.78	27.60		1474.5							
	OBS	00456	04.48	34.85	27.64		1476.2							
	STD	00500	04.61	34.93	27.68	00.378	1477.5							
	OBS	00502	04.61	34.93	27.65		1477.6							
	OBS	00552	04.55	34.96	27.72		1478.2							
	STD	00600	04.32	34.94	27.73	00.424	1478.0							
	OBS	00601	04.32	34.94	27.73		1478.0							
	OBS	00652	04.55	34.99	27.74		1479.9							
	STD	00700	04.60	35.01	27.75	00.468	1480.9							
	OBS	00700	04.60	35.01	27.75		1480.9							
	OBS	00751	04.36	34.99	27.76		1480.8							
	STD	00800	04.42	35.00	27.76	00.511	1481.8							
	OBS	00801	04.42	35.00	27.76		1481.9							
	OBS	00850	04.28	34.99	27.77		1482.1							
	STD	00900	04.17	34.97	27.77	00.554	1482.4							
	OBS	00900	04.17	34.97	27.77		1482.4							
	OBS	00953	04.16	34.97	27.77		1483.3							
	STD	01000	04.12	34.98	27.78	00.597	1483.9							
	OBS	01001	04.12	34.98	27.78		1483.9							
	OBS	01020	04.11	34.98	27.78		1484.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA

REFID 31 0454	YEAR 1975	BOTOP 03860	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SO 1306
COMSEC 0061	MONTH 04	SHIP EV	WET BULB 03.8	99 X X	WIND-SPD 00	TRACE DIR 0	5 SQUARE 2
LA 44 20 N	DAY 22	DATA USE 1	SARCHETA 1016.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 347 15.4W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TX	WEATHER X2	ORIG 011 750 08	1 SQUARE 47

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	ORYG	PD4	TOT P	NO2	NO3	S103	PH
05.7	STD	00000	03.74	33.71	26.81	00.000	1464.0							
	OBS	00000	03.74	33.71	26.81		1464.0							
	OBS	00003	03.78	33.74	26.81		1465.1							
	OBS	00005	03.73	33.79	26.87		1466.2							
	STD	00010	04.38	33.88	26.88	00.012	1467.1							
	OBS	00013	04.69	33.52	26.88		1468.5							
	STD	00020	04.78	33.91	26.86	00.024	1469.0							
	OBS	00020	04.78	33.91	26.86		1469.0							
	STD	00030	04.71	33.90	26.86	00.036	1468.6							
	OBS	00030	04.71	33.90	26.86		1468.8							
	OBS	00047	05.29	34.12	26.57		1471.8							
	OBS	00049	05.02	34.03	26.93		1470.4							
	STD	00050	04.97	34.07	26.96	00.059	1470.5							
	OBS	00051	04.89	34.15	27.04		1470.3							
	OBS	00055	05.10	34.14	27.00		1471.2							
	OBS	00057	05.52	34.30	27.08		1473.1							
	OBS	00062	05.61	34.26	27.04		1473.6							
	OBS	00066	04.77	34.26	27.14		1470.2							
	OBS	00068	05.00	34.27	27.12		1471.2							
	STD	00075	05.14	34.31	27.14	00.085	1471.9							
	OBS	00076	05.16	34.33	27.15		1472.0							
	OBS	00079	05.20	34.40	27.20		1472.4							
	OBS	00081	05.61	34.46	27.20		1474.1							
	STD	00100	06.43	34.62	27.21	00.108	1477.6							
	OBS	00100	06.45	34.62	27.22		1478.0							
	STD	00125	06.38	34.62	27.22	00.130	1478.2							
	OBS	00127	06.30	34.62	27.23		1477.9							
	OBS	00137	05.84	34.59	27.27		1478.1							
	OBS	00148	06.02	34.65	27.29		1477.1							
	STD	00150	05.93	34.64	27.30	00.151	1476.8							
	OBS	00154	05.80	34.63	27.31		1476.3							
	OBS	00156	05.79	34.64	27.32		1476.3							
	OBS	00163	05.26	34.59	27.34		1474.2							
	OBS	00171	05.86	34.70	27.35		1476.9							
	OBS	00173	05.91	34.70	27.35		1477.2							
	OBS	00178	05.32	34.60	27.34		1476.7							
	STD	00200	04.61	34.57	27.40	00.188	1472.1							
	OBS	00201	04.55	34.57	27.41		1471.9							
	OBS	00209	04.93	34.62	27.40		1473.7							
	OBS	00213	05.18	34.68	27.42		1474.8							
	OBS	00226	05.14	34.68	27.43		1474.9							
	OBS	00232	05.09	34.69	27.44		1474.8							
	OBS	00237	04.73	34.65	27.45		1473.3							
	STD	00250	04.58	34.65	27.47	00.222	1472.6							
	OBS	00253	04.52	34.65	27.47		1472.7							
	OBS	00274	03.55	34.66	27.56		1470.9							
	OBS	00279	04.73	34.81	27.58		1476.3							
	STD	00300	05.32	34.92	27.59	00.252	1477.1							
	OBS	00300	05.33	34.92	27.59		1477.2							
	OBS	00302	05.36	34.91	27.58		1477.3							
	OBS	00308	05.62	34.97	27.60		1478.6							
	OBS	00352	05.52	34.95	27.63		1478.9							
	OBS	00388	05.14	34.97	27.66		1477.9							
	STD	00400	05.21	34.99	27.66	00.304	1478.4							
	OBS	00403	05.23	34.99	27.66		1478.6							
	OBS	00407	05.19	34.96	27.64		1478.4							
	OBS	00409	04.87	34.91	27.64		1477.1							
	OBS	00430	05.18	35.01	27.68		1478.9							
	OBS	00441	04.82	34.98	27.70		1477.5							
	OBS	00451	04.94	35.00	27.70		1478.2							
	STD	00500	04.76	34.98	27.71	00.351	1478.2							
	OBS	00502	04.75	34.98	27.71		1478.2							
	OBS	00550	04.53	34.98	27.73		1478.1							
	OBS	00584	04.48	35.01	27.77		1478.4							
	OBS	00562	04.67	35.02	27.75		1475.4							
	STD	00600	04.66	35.01	27.74	00.396	1479.5							
	OBS	00601	04.66	35.01	27.74		1479.5							
	OBS	00651	04.50	34.99	27.75		1479.7							
	STD	00700	04.32	34.98	27.76	00.438	1479.7							
	OBS	00702	04.32	34.98	27.76		1479.8							
	OBS	00751	04.30	34.99	27.77		1480.5							
	STD	00800	04.19	34.98	27.77	00.480	1480.9							
	OBS	00801	04.19	34.98	27.77		1480.9							
	OBS	00850	04.08	34.96	27.77		1481.2							
	STD	00900	04.01	34.96	27.77	00.522	1481.7							
	OBS	00902	04.01	34.96	27.77		1481.8							
	OBS	00953	03.58	34.96	27.78		1482.3							
	STD	01000	03.87	34.94	27.77	00.564	1482.8							
	OBS	01001	03.87	34.94	27.77		1482.8							
	OBS	01018	03.83	34.94	27.78		1482.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 0454	YEAR 1975	BOATP 03504	AIR TEMP 02.9	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306							
CONSEC 0042	MONTH 04	SHIP EV	NET BULB 02.1	27 4 5	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2							
LA* 44 27.2N	DAY 22	DATA USE 1	BAROMETER 1007.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46							
LONG 047 46.5W	HOUR 13.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 751 11	1 SQUARE 47							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNC VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	STD	00000	00.76	33.08	26.54	00.000	1450.1							
	OBS	00001	00.76	33.08	26.54		1450.1							
	OBS	00003	00.68	33.05	26.52		1445.8							
	OBS	00005	00.54	33.10	26.57		1449.2							
	STD	00010	00.69	33.12	26.58	00.015	1450.0							
	OBS	00011	00.70	33.13	26.58		1450.1							
	OBS	00015	00.62	33.10	26.56		1449.7							
	OBS	00019	- 0.07	33.19	26.67		1446.8							
	STD	00020	- 0.05	33.20	26.68	00.025	1446.5							
	OBS	00020	- 0.04	33.22	26.69		1447.0							
OBS	00026	- 1.09	33.37	26.86		1442.4								
STD	00030	- 1.13	33.38	26.87	00.042	1442.3								
OBS	00030	- 1.13	33.38	26.87		1442.3								
OBS	00032	- 1.14	33.38	26.87		1442.3								
OBS	00034	- 1.13	33.50	26.96		1442.5								
OBS	00041	02.01	33.74	26.98		1457.3								
OBS	00043	02.19	33.79	27.01		1458.2								
OBS	00045	02.79	33.88	27.03		1460.9								
OBS	00047	03.66	33.95	27.04		1466.8								
STD	00050	03.82	34.02	27.04	00.064	1465.6								
OBS	00051	03.50	34.03	27.05		1466.0								
OBS	00072	04.07	34.09	27.08		1467.1								
STD	00075	03.79	34.07	27.05	00.085	1465.9								
OBS	00076	03.69	34.04	27.09		1465.5								
OBS	00078	03.54	34.04	27.09		1464.9								
OBS	00075	03.16	33.96	27.06		1463.2								
OBS	00081	03.32	34.16	27.21		1466.2								
OBS	00085	03.48	34.15	27.18		1464.9								
OBS	00089	01.45	34.02	27.25		1456.0								
OBS	00095	00.82	34.00	27.27		1453.2								
STD	00100	00.80	34.09	27.35	00.111	1453.3								
OBS	00100	00.80	34.10	27.36		1453.3								
OBS	00106	01.27	34.16	27.37		1455.6								
OBS	00119	01.45	34.29	27.47		1456.8								
OBS	00121	01.97	34.34	27.47		1459.2								
STD	00125	02.08	34.38	27.45	00.128	1459.8								
OBS	00125	02.11	34.39	27.50		1460.0								
OBS	00127	02.25	34.45	27.53		1460.7								
OBS	00133	03.79	34.60	27.51		1467.6								
OBS	00142	04.58	34.75	27.55		1471.3								
STD	00150	04.69	34.70	27.50	00.143	1471.8								
OBS	00150	04.70	34.70	27.49		1471.4								
OBS	00154	04.28	34.65	27.50		1470.1								
OBS	00173	04.22	34.68	27.53		1470.2								
OBS	00175	03.98	34.62	27.51		1469.1								
OBS	00178	03.82	34.68	27.57		1468.6								
OBS	00182	04.51	34.75	27.59		1471.7								
OBS	00184	04.42	34.77	27.58		1471.3								
OBS	00186	04.14	34.72	27.57		1470.1								
OBS	00159	04.46	34.80	27.60		1471.8								
STD	00200	04.46	34.80	27.60	00.171	1471.8								
OBS	00203	04.49	34.81	27.60		1472.0								
OBS	00224	04.66	34.84	27.61		1473.1								
OBS	00226	04.49	34.82	27.61		1472.4								
STD	00250	04.82	34.92	27.66	00.196	1474.3								
OBS	00251	04.84	34.93	27.66		1474.4								
OBS	00276	05.27	35.02	27.68		1476.7								
STD	00300	05.02	34.98	27.68	00.219	1476.0								
OBS	00300	05.01	34.98	27.68		1476.0								
OBS	00352	04.59	34.94	27.71		1475.1								
STD	00400	04.64	34.99	27.73	00.264	1476.1								
OBS	00401	04.64	34.99	27.73		1476.1								
OBS	00451	04.41	34.97	27.74		1476.0								
STD	00500	04.35	34.98	27.75	00.305	1476.5								
OBS	00500	04.35	34.98	27.75		1476.5								
OBS	00552	04.28	34.98	27.76		1477.1								
STD	00600	04.24	34.98	27.77	00.345	1477.7								
OBS	00603	04.23	34.98	27.77		1477.8								
OBS	00651	04.10	34.97	27.77		1476.0								
STD	00700	03.98	34.96	27.78	00.385	1478.3								
OBS	00702	03.58	34.94	27.78		1478.3								
OBS	00751	03.64	34.95	27.77		1479.0								
STD	00800	03.87	34.95	27.78	00.425	1479.3								
OBS	00801	03.87	34.95	27.78		1479.3								
OBS	00852	03.64	34.91	27.77		1479.3								
STD	00900	03.47	34.89	27.77	00.466	1479.4								
OBS	00900	03.47	34.89	27.77		1479.4								
OBS	00951	03.44	34.89	27.78		1480.1								
STD	01000	03.41	34.88	27.77	00.507	1480.8								
OBS	01001	03.41	34.88	27.77		1480.8								
OBS	01018	03.40	34.88	27.77		1481.0								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454	YEAR 1975	SDTDP 03001	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1304
CONSEC 0003	MONTH 04	SHIP CV	SET BULB 02.0	29 2 4	WIND-SPD 08	TRACE DIR	5 SQUARE 2
LA" 44 35.0N	DAY 22	DATA USE 1	BAROMETER 1018.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 40
LONG 048 14.1W	HOVR 15.8	AREA 05	CLCUD T/A	CL/TR	WEATHER K2	CRSG 011 752 12	1 SQUARE 40

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	STD	00000	00.30	33.14	26.61	00.000	1448.1							
	OBS	00000	00.30	33.14	26.61		1448.1							
	OBS	00007	00.20	33.12	26.60		1447.7							
	STD	00010	00.16	33.13	26.61	00.014	1447.6							
	OBS	00011	00.14	33.13	26.61		1447.5							
	STD	00020	00.12	33.13	26.61	00.029	1447.6							
	OBS	00022	00.10	33.13	26.62		1447.5							
	STD	00030	00.05	33.16	26.64	00.043	1447.5							
	OBS	00030	00.04	33.16	26.64		1447.4							
	OBS	00036	- 0.10	33.14	26.63		1446.8							
	OBS	00038	- 0.50	33.20	26.70		1445.1							
	OBS	00045	- 0.63	33.30	26.78		1444.8							
	OBS	00049	- 0.87	33.35	26.83		1443.8							
	STD	00050	- 0.88	33.38	26.86	00.065	1443.8							
	OBS	00051	- 0.91	33.46	26.92		1443.8							
	OBS	00055	00.11	33.64	27.03		1448.8							
	OBS	00060	00.13	33.50	26.91		1448.8							
	OBS	00062	- 0.04	33.64	27.03		1448.3							
	OBS	00066	00.21	33.64	27.02		1449.5							
	STD	00075	- 0.36	33.74	27.13	00.096	1447.1							
	OBS	00076	- 0.39	33.71	27.14		1447.0							
	OBS	00093	00.34	33.93	27.25		1450.9							
	OBS	00095	00.66	33.59	27.28		1452.5							
	STD	00100	00.70	34.03	27.31	00.117	1452.8							
	OBS	00100	00.71	34.04	27.31		1452.6							
	OBS	00112	01.04	34.22	27.44		1454.8							
	OBS	00114	01.42	34.24	27.43		1456.5							
	STD	00125	01.67	34.28	27.42	00.135	1457.8							
	OBS	00125	01.65	34.26	27.42		1457.9							
	OBS	00131	01.90	34.30	27.44		1459.0							
	OBS	00142	02.75	34.50	27.53		1463.2							
	OBS	00146	03.86	34.63	27.53		1468.2							
	STD	00150	03.93	34.61	27.51	00.151	1468.5							
	OBS	00150	03.94	34.61	27.50		1468.6							
	OBS	00158	04.04	34.62	27.50		1465.1							
	OBS	00161	04.38	34.69	27.52		1470.7							
	OBS	00175	04.93	34.78	27.53		1473.3							
	STD	00200	04.76	34.77	27.56	00.181	1473.0							
	OBS	00203	04.75	34.77	27.56		1473.0							
	OBS	00226	04.81	34.76	27.53		1473.6							
	STD	00250	04.51	34.80	27.59	00.208	1472.8							
	OBS	00251	04.51	34.80	27.59		1472.9							
	OBS	00276	04.73	34.85	27.61		1474.2							
	OBS	00276	04.53	34.82	27.61		1473.4							
	STD	00300	04.43	34.83	27.63	00.234	1473.4							
	OBS	00302	04.41	34.83	27.63		1473.3							
	OBS	00327	04.15	34.84	27.66		1472.8							
	OBS	00331	04.50	34.90	27.67		1474.3							
	OBS	00350	04.80	34.93	27.66		1475.9							
	STD	00400	04.60	34.92	27.68	00.283	1475.8							
	OBS	00401	04.59	34.92	27.68		1475.8							
	OBS	00451	04.21	34.90	27.71		1475.0							
	STD	00500	04.41	34.95	27.72	00.328	1476.7							
	OBS	00500	04.41	34.95	27.72		1476.8							
	OBS	00550	04.44	34.97	27.74		1477.7							
	STD	00600	04.30	34.96	27.74	00.371	1478.0							
	OBS	00601	04.30	34.96	27.74		1478.0							
	OBS	00651	04.26	34.97	27.76		1478.7							
	STD	00700	04.21	34.97	27.76	00.413	1479.3							
	OBS	00700	04.21	34.97	27.76		1479.3							
	OBS	00750	04.17	34.97	27.77		1479.9							
	STD	00800	04.05	34.96	27.77	00.455	1480.2							
	OBS	00801	04.05	34.96	27.77		1480.3							
	OBS	00850	04.01	34.96	27.77		1480.9							
	STD	00900	03.98	34.96	27.78	00.467	1481.6							
	OBS	00900	03.98	34.96	27.78		1481.6							
	OBS	00953	03.52	34.95	27.78		1482.2							
	STD	01000	03.90	34.95	27.78	00.535	1482.9							
	OBS	01003	03.89	34.95	27.78		1482.9							
	OBS	01018	03.86	34.95	27.78		1483.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 8454	YEAR 1975	BOTOP 02043	AIR TEMP 02.4	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN 50 1906							
CONSEC 0044	MONTH 04	SHIP EV	WET BULB 02.0	30 1 3	WIND-SPD 05	TRACE DIR 0	9 SQUARE 2							
LA" 44 42.5N	DAY 22	DATA USE 1	BAROMETER 1017.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48							
LONG 048 44 W	MOOR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	ORIG 011 753 12	1 SQUARE 48							
CASUALTY/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	ORYG	PO4	TOT P	MO2	MO3	SIO3	PH
18.4	STD	00000	01.13	33.17	26.59	00.000	1451.9							
	OBS	00003	01.13	33.17	26.59		1451.9							
	OBS	00005	01.26	33.20	26.61		1452.4							
	STD	00010	00.99	33.22	26.63	00.014	1451.5							
	OBS	00011	00.93	33.22	26.64		1451.2							
	STD	00020	00.90	33.25	26.66	00.028	1451.3							
	OBS	00020	00.90	33.25	26.67		1451.3							
	STD	00030	00.94	33.30	26.70	00.042	1451.7							
	OBS	00030	00.94	33.30	26.71		1451.7							
	OBS	00040	00.91	33.29	26.70		1451.7							
	OBS	00049	00.22	33.54	26.94		1449.1							
	STD	00050	00.22	33.55	26.95	00.067	1449.1							
	OBS	00051	00.22	33.57	26.96		1449.2							
	OBS	00060	00.48	33.79	27.13		1450.8							
	OBS	00064	00.72	33.84	27.15		1452.0							
	STD	00075	00.88	33.89	27.18	00.092	1453.0							
	OBS	00076	00.90	33.90	27.19		1453.1							
	OBS	00083	01.07	34.05	27.30		1454.2							
	OBS	00085	01.33	34.08	27.31		1455.4							
	STD	00100	01.38	34.18	27.38	00.112	1456.1							
	OBS	00100	01.40	34.19	27.39		1456.2							
	OBS	00112	01.72	34.32	27.47		1457.9							
	STD	00125	01.61	34.33	27.49	00.128	1457.7							
	OBS	00125	01.61	34.33	27.49		1457.7							
	OBS	00131	01.68	34.34	27.49		1458.1							
	OBS	00133	02.01	34.43	27.54		1459.7							
	OBS	00146	03.00	34.61	27.54		1467.1							
	STD	00150	03.12	34.64	27.55	00.143	1467.7							
	OBS	00150	03.73	34.64	27.55		1467.7							
	OBS	00161	03.40	34.58	27.53		1466.4							
	OBS	00175	02.60	34.53	27.57		1463.1							
	OBS	00182	02.77	34.58	27.55		1464.1							
	OBS	00188	03.63	34.65	27.60		1468.0							
	STD	00200	03.65	34.68	27.59	00.170	1468.2							
	OBS	00201	03.65	34.68	27.59		1468.3							
	OBS	00226	03.37	34.63	27.58		1467.4							
	STD	00250	02.97	34.62	27.61	00.156	1466.1							
	OBS	00251	02.96	34.62	27.61		1466.1							
	OBS	00276	02.90	34.62	27.61		1466.2							
	OBS	00298	02.71	34.61	27.62		1465.7							
	STD	00300	02.75	34.62	27.62	00.221	1465.9							
	OBS	00304	02.88	34.64	27.63		1466.6							
	OBS	00310	02.96	34.67	27.65		1467.1							
	OBS	00325	02.87	34.67	27.66		1467.0							
	OBS	00340	04.41	34.90	27.68		1474.0							
	OBS	00352	04.42	34.92	27.70		1474.3							
	OBS	00376	04.42	34.94	27.69		1475.4							
	OBS	00388	04.16	34.87	27.69		1473.8							
	STD	00400	04.12	34.87	27.69	00.269	1473.8							
	OBS	00401	04.12	34.87	27.65		1473.8							
	OBS	00418	04.10	34.88	27.70		1474.0							
	OBS	00422	04.41	34.96	27.73		1475.5							
	OBS	00453	04.69	34.99	27.72		1477.2							
	STD	00500	04.62	34.99	27.73	00.313	1477.7							
	OBS	00502	04.61	34.99	27.73		1477.7							
	OBS	00550	04.44	34.97	27.74		1477.7							
	STD	00600	04.37	34.96	27.74	00.356	1478.3							
	OBS	00601	04.37	34.96	27.74		1478.3							
	OBS	00651	04.24	34.96	27.75		1478.6							
	STD	00700	04.19	34.96	27.76	00.355	1479.2							
	OBS	00702	04.19	34.96	27.76		1479.2							
	OBS	00750	04.16	34.96	27.76		1479.9							
	STD	00800	04.20	34.98	27.77	00.441	1480.9							
	OBS	00803	04.20	34.98	27.77		1480.9							
	OBS	00850	04.10	34.97	27.77		1481.3							
	STD	00900	03.97	34.95	27.77	00.483	1481.5							
	OBS	00902	03.96	34.95	27.77		1481.5							
	OBS	00951	03.87	34.94	27.77		1482.0							
	STD	01000	03.87	34.95	27.78	00.525	1482.8							
	OBS	01003	03.87	34.95	27.78		1482.9							
OBS	01018	03.83	34.94	27.78		1482.9								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
SPID 31 0434	YEAR 1975	SDTP 00850	AIR TEMP 00.0	DIR 1-CT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306							
CONSEC 0365	MONTH 04	SHIP 8V	WET BULB 00.0	25 2 3	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2							
LA 44 44 N	DAY 22	DATA USE 1	BAROMETER 1015.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 50 W	HOOR 20.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	ORIG 011 754 06	1 SQUARE 48							
CASSTHUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.4	STD	00000	00.23	32.87	26.40	00.000	1447.4							
	OBS	00001	00.23	32.87	26.40		1447.4							
	OBS	00005	00.23	32.88	26.41		1447.5							
	OBS	00007	- 0.49	32.84	26.41		1444.2							
	STD	00010	- 0.58	32.89	26.45	00.016	1443.8							
	OBS	00011	- 0.62	32.91	26.47		1443.7							
	STD	00020	- 0.64	32.90	26.46	00.032	1443.7							
	OBS	00020	- 0.64	32.90	26.46		1443.8							
	STD	00030	- 0.63	32.90	26.46	00.048	1444.0							
	OBS	00030	- 0.63	32.90	26.46		1444.0							
	STD	00050	- 0.63	32.91	26.47	00.079	1444.3							
	OBS	00051	- 0.63	32.92	26.48		1444.3							
	OBS	00068	- 1.27	33.12	26.66		1441.9							
	OBS	00072	- 1.36	33.22	26.74		1441.5							
	STD	00075	- 1.37	33.25	26.77	00.115	1441.7							
	OBS	00076	- 1.36	33.26	26.78		1441.8							
	STD	00100	- 1.39	33.35	26.85	00.142	1442.2							
	OBS	00102	- 1.39	33.40	26.89		1442.3							
	OBS	00104	- 1.30	33.44	26.92		1442.8							
	OBS	00106	- 1.02	33.50	26.96		1444.2							
	OBS	00112	- 0.87	33.50	26.95		1445.0							
	STD	00125	- 0.24	33.65	27.05	00.174	1448.4							
	OBS	00125	- 0.21	33.66	27.06		1448.5							
	STD	00150	00.80	33.93	27.22	00.197	1453.9							
	OBS	00150	00.81	33.93	27.22		1454.0							
	OBS	00175	00.95	34.05	27.31		1455.2							
	STD	00200	01.13	34.15	27.38	00.236	1456.6							
	OBS	00201	01.15	34.16	27.38		1456.7							
	OBS	00224	01.40	34.24	27.43		1458.3							
	STD	00250	01.49	34.27	27.45	00.270	1459.1							
	OBS	00253	01.50	34.28	27.45		1459.2							
	OBS	00276	01.58	34.32	27.48		1460.0							
	STD	00300	01.69	34.37	27.51	00.301	1461.0							
	OBS	00300	01.65	34.37	27.51		1461.0							
	OBS	00350	01.83	34.46	27.57		1462.5							
	OBS	00399	02.06	34.56	27.64		1464.5							
	STD	00430	02.08	34.56	27.64	00.355	1464.6							
	OBS	00403	02.25	34.55	27.64		1465.6							
	OBS	00451	02.58	34.63	27.65		1467.7							
	OBS	00458	02.83	34.68	27.67		1469.0							
	STD	00500	03.20	34.78	27.71	00.401	1471.4							
	OBS	00502	03.21	34.78	27.71		1471.5							
	OBS	00550	03.31	34.80	27.72		1472.7							
	STD	00600	03.37	34.81	27.72	00.444	1473.6							
	OBS	00603	03.37	34.81	27.72		1473.6							
	OBS	00651	03.39	34.82	27.73		1474.8							
	STD	00703	03.39	34.83	27.73	00.487	1475.6							
	OBS	00700	03.35	34.83	27.73		1475.6							
	OBS	00750	03.44	34.84	27.74		1476.7							
	STD	00800	03.46	34.85	27.74	00.530	1477.6							
	OBS	00803	03.46	34.85	27.74		1477.7							
	OBS	00818	03.46	34.85	27.74		1477.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA

REFID 31 0454 YEAR 1975 BOTOP 00305 AIR TEMP 00.8 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SG 1306
 CONSEC 0066 MONTH 04 SHIP EV WET BULB 00.5 24 2 3 WIND-SPD 09 TRACE DIR C 5 SQUARE 2
 LA" 44 43.8N DAY 22 DATA USE 1 BAROMETR 1016.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
 LONG 049 00.8W HOUR 21.9 AREA 05 CLCUD T/A CL/TR WEATHER X7 ORIG 011 755 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
21.6	STD	00000	- 0.07	32.88	26.42	00.000	1446.0							
	OBS	00001	- 0.07	32.88	26.42		1446.1							
	OBS	00005	- 0.21	32.84	26.40		1445.4							
	OBS	00007	- 0.45	32.89	26.45		1444.4							
	STD	00010	- 0.50	32.89	26.45	00.016	1444.2							
	OBS	00011	- 0.53	32.89	26.45		1444.1							
	STD	00020	- 0.60	32.90	26.46	00.032	1443.9							
	OBS	00020	- 0.61	32.90	26.46		1443.9							
	STD	00030	- 0.63	32.90	26.46	00.048	1444.0							
	OBS	00030	- 0.63	32.90	26.46		1444.0							
	STD	00050	- 0.69	32.91	26.47	00.079	1444.0							
	OBS	00053	- 0.70	32.91	26.47		1444.0							
	OBS	00059	- 0.72	32.91	26.47		1444.0							
	OBS	00066	- 1.31	33.06	26.61		1441.6							
	OBS	00070	- 1.45	33.25	26.77		1441.3							
	STD	00075	- 1.23	33.30	26.80	00.114	1442.5							
	OBS	00076	- 1.19	33.31	26.81		1442.7							
	OBS	00085	- 1.07	33.37	26.86		1443.5							
	OBS	00089	- 1.25	33.48	26.95		1442.7							
	OBS	00095	- 0.70	33.58	27.01		1445.7							
	STD	00100	- 0.38	33.63	27.04	00.143	1447.3							
	OBS	00100	- 0.33	33.64	27.05		1447.5							
	STD	00125	00.31	33.74	27.09	00.168	1451.0							
	OBS	00125	00.32	33.74	27.09		1451.1							
	STD	00150	00.42	33.76	27.10	00.192	1452.0							
	OBS	00150	00.42	33.76	27.11		1452.0							
	OBS	00175	00.58	33.82	27.14		1453.2							
	STD	00200	00.80	33.91	27.21	00.238	1454.7							
	OBS	00201	00.81	33.92	27.21		1454.8							
	OBS	00226	00.91	34.01	27.28		1455.8							
	STD	00250	01.04	34.07	27.31	00.279	1456.8							
	OBS	00251	01.05	34.07	27.32		1456.9							
	OBS	00276	01.26	34.18	27.39		1458.4							
	OBS	00297	01.40	34.23	27.42		1459.4							

REFID 31 0454 YEAR 1975 BOTOP 00082 AIR TEMP 00.5 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SG 1306
 CONSEC 0067 MONTH 04 SHIP EV WET BULB 00.3 23 2 4 WIND-SPD 09 TRACE DIR D 5 SQUARE 2
 LA" 44 47.7N DAY 22 DATA USE 1 BAROMETR 1016.5 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 049 00.3W HOUR 23.1 AREA 05 CLCUD T/A CL/TR WEATHER X2 ORIG 011 756 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
23.1	STD	00000	- 0.45	32.90	26.45	00.000	1444.3							
	OBS	00001	- 0.45	32.90	26.45		1444.3							
	OBS	00003	- 0.46	32.89	26.45		1444.2							
	STD	00010	- 0.49	32.90	26.45	00.016	1444.3							
	OBS	00011	- 0.49	32.90	26.46		1444.3							
	STD	00020	- 0.52	32.90	26.46	00.032	1444.3							
	OBS	00020	- 0.52	32.90	26.46		1444.3							
	STD	00030	- 0.55	32.90	26.46	00.047	1444.3							
	OBS	00030	- 0.55	32.90	26.46		1444.3							
	STD	00050	- 0.69	32.91	26.47	00.075	1444.3							
	OBS	00051	- 0.66	32.92	26.48		1444.2							
	OBS	00070	- 1.27	33.14	26.68		1442.0							
	OBS	00074	- 1.25	33.18	26.71		1442.2							

REFID 31 0454 YEAR 1975 BOTOP 00068 AIR TEMP 01.1 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SG 1306
 CONSEC 0068 MONTH 04 SHIP EV WET BULB 00.8 15 2 4 WIND-SPD 03 TRACE DIR C 5 SQUARE 2
 LA" 44 50 N DAY 23 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 049 20.9W HOUR 00.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 757 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
00.4	STD	00000	00.29	32.90	26.42	00.000	1447.7							
	OBS	00001	00.29	32.90	26.42		1447.7							
	OBS	00009	00.13	32.87	26.40		1447.1							
	STD	00010	00.11	32.88	26.41	00.016	1447.0							
	OBS	00011	00.06	32.90	26.43		1446.8							
	STD	00020	00.05	32.92	26.43	00.032	1447.0							
	OBS	00020	00.04	32.92	26.43		1446.6							
	STD	00030	- 0.24	32.94	26.48	00.048	1445.7							
	OBS	00030	- 0.27	32.94	26.48		1445.7							
	STD	00050	- 0.71	33.00	26.54	00.079	1444.0							
	OBS	00051	- 0.72	33.00	26.55		1444.0							
	OBS	00059	- 0.72	33.00	26.55		1444.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTDP 00044 AIR TEMP 02.0 DIR MGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1306
 CONSEC 0309 MONTH 04 SHIP EV WET BULB 01.5 45 1 1 WIND-SPD 16 TRACE DIR 5 SQUARE 2
 LAT 44 01.3N DAY 23 DATA USE 1 BAROMETER 1017.3 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 249 29 W HOUR 04.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG 011 758 1 SQUARE 45

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.9	STD	00000	01.41	32.86	26.32	00.000	1452.7							
	OBS	00000	01.41	32.86	26.32		1452.7							
	STD	00010	01.27	32.89	26.36	00.017	1452.3							
	OBS	00011	01.25	32.90	26.37		1452.2							
	STD	00020	01.08	32.96	26.42	00.033	1451.7							
	OBS	00020	01.07	32.96	26.43		1451.7							
	OBS	00026	01.04	32.98	26.44		1451.7							
	STD	00030	01.04	32.98	26.44	00.049	1451.7							
	OBS	00030	01.04	32.98	26.44		1451.7							
	OBS	00038	01.04	32.98	26.44		1451.8							

REFID 31 0454 YEAR 1975 BOTDP 03090 AIR TEMP 01.5 DIR MGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1306
 CONSEC 0070 MONTH 04 SHIP EV WET BULB 01.0 00 0 X WIND-SPD 06 TRACE DIR 5 SQUARE 2
 LAT 43 56.8N DAY 23 DATA USE 1 BAROMETER 1019.8 SEA WIND-FOR DURATION 00.0 2 SQUARE 28
 LONG 249 10 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRIG 011 759 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.6	STD	00000	00.31	32.95	26.46	00.000	1447.9							
	OBS	00001	00.31	32.95	26.46		1447.9							
	STD	00010	00.29	32.93	26.45	00.016	1447.9							
	OBS	00011	00.29	32.93	26.44		1447.9							
	OBS	00017	00.09	32.92	26.45		1447.1							
	STD	00020	00.22	33.01	26.51	00.031	1447.9							
	OBS	00020	00.23	33.03	26.53		1448.0							
	STD	00030	00.23	33.03	26.53	00.047	1448.1							
	OBS	00030	00.23	33.03	26.53		1448.1							
	STD	00050	00.25	33.07	26.56	00.077	1448.6							
	OBS	00051	00.26	33.08	26.57		1448.7							
	OBS	00055	00.29	33.10	26.58		1448.9							
	OBS	00060	- 0.66	33.07	26.60		1444.6							
	OBS	00068	- 0.70	33.11	26.63		1444.6							
	STD	00075	- 0.53	33.14	26.65	00.113	1445.5							
	OBS	00076	- 0.51	33.14	26.65		1445.6							
	OBS	00081	- 0.47	33.15	26.66		1445.5							

REFID 31 0454 YEAR 1975 BOTDP 00490 AIR TEMP 00.8 DIR MGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1306
 CONSEC 0371 MONTH 04 SHIP EV WET BULB 00.7 00 0 X WIND-SPD 04 TRACE DIR 5 SQUARE 2
 LAT 44 56.2N DAY 23 DATA USE 1 BAROMETER 1019.2 SEA WIND-FOR DURATION 00.2 2 SQUARE 28
 LONG 248 56.8W HOUR 07.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 760 1 SQUARE 38

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.8	STD	00000	00.05	32.95	26.47	00.000	1446.7							
	OBS	00000	00.05	32.95	26.47		1446.7							
	STD	00010	00.07	32.95	26.47	00.016	1446.5							
	OBS	00011	00.07	32.95	26.47		1447.0							
	STD	00020	00.04	32.95	26.47	00.031	1447.0							
	OBS	00020	00.02	32.95	26.47		1446.9							
	STD	00030	- 0.48	32.99	26.53	00.047	1444.8							
	OBS	00030	- 0.50	32.99	26.53		1444.7							
	STD	00050	- 0.95	33.14	26.67	00.076	1443.1							
	OBS	00051	- 0.98	33.15	26.68		1443.0							
	STD	00075	- 1.28	33.28	26.79	00.105	1442.2							
	OBS	00076	- 1.29	33.28	26.79		1442.2							
	OBS	00087	- 1.31	33.29	26.80		1442.3							
	STD	00100	- 1.30	33.30	26.81	00.140	1442.6							
	OBS	00102	- 1.29	33.31	26.81		1442.6							
	STD	00125	- 1.21	33.40	26.88	00.170	1443.5							
	OBS	00125	- 1.20	33.40	26.88		1443.6							
	STD	00150	- 0.85	33.48	26.94	00.199	1445.7							
	OBS	00152	- 0.82	33.49	26.94		1445.9							
	OBS	00175	- 0.55	33.55	26.98		1447.6							
	STD	00200	- 0.23	33.63	27.04	00.252	1449.6							
	OBS	00203	- 0.18	33.65	27.05		1450.0							
	OBS	00228	00.22	33.77	27.12		1452.4							
	STD	00250	00.68	33.89	27.20	00.300	1455.0							
	OBS	00255	00.76	33.93	27.22		1455.3							
	OBS	00277	01.02	34.13	27.37		1457.3							
	OBS	00283	01.18	34.18	27.40		1458.2							
	OBS	00289	01.77	34.30	27.45		1461.1							
	STD	00300	02.03	34.33	27.46	00.338	1462.6							
	OBS	00302	02.08	34.34	27.46		1462.7							
	OBS	00350	02.03	34.48	27.57		1463.5							
	STD	00400	02.79	34.65	27.64	00.365	1467.8							
	OBS	00401	02.81	34.65	27.64		1467.9							
	OBS	00431	03.24	34.76	27.69		1470.7							
	OBS	00489	03.40	34.80	27.71		1472.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA															
REFID 31 0456	YEAR 1975	BOTOP 01500	AIR TEMP 00.0	DIA HGT PER	WIND-DIA 20	INST STD RECORDER	TEN SQ 1306								
CONSEC 0072	MONTH 04	SHIP EV	MET BULB 00.0	00 0 X	WIND-SPD 10	TRACE DIA 0	5 SQUARE 2								
LAT 43 47 N	DAY 23	DATA USE 1	BAROMETR 1016.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26								
LONG 048 46 N	MOUR 05.3	AREA 05	CLCUO T/A	CL/T/A	WEATHER X1	DRG 011 761	1 SQUARE 38								
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH	
00.3	STD	00000	- 0.23	32.89	26.44	00.000	1445.3								
	OBS	00000	- 0.23	32.85	26.44		1445.3								
	STD	00010	- 0.24	32.89	26.44	00.016	1445.4								
	OBS	00011	- 0.24	32.89	26.44		1445.4								
	OBS	00015	- 0.37	32.88	26.43		1444.9								
	STD	00020	- 0.40	32.90	26.45	00.032	1444.8								
	OBS	00020	- 0.41	32.90	26.45		1444.8								
	STD	00030	- 0.48	32.92	26.47	00.048	1444.7								
	OBS	00030	- 0.48	32.92	26.47		1444.7								
	OBS	00043	- 0.55	32.94	26.49		1444.6								
	STD	00050	- 1.21	33.17	26.70	00.077	1442.0								
	OBS	00051	- 1.31	33.21	26.73		1441.6								
	OBS	00064	- 1.39	33.30	26.81		1441.5								
	STD	00075	- 1.30	33.34	26.84	00.105	1442.2								
	OBS	00076	- 1.25	33.35	26.85		1442.3								
	OBS	00093	- 1.08	33.48	26.95		1443.7								
	STD	00100	- 0.68	33.54	27.00	00.137	1445.8								
	OBS	00100	- 0.63	33.57	27.00		1446.1								
	STD	00125	00.15	33.68	27.05	00.163	1450.2								
	OBS	00125	00.16	33.68	27.05		1450.3								
	STD	00150	00.55	33.95	27.25	00.187	1452.8								
	OBS	00150	00.56	33.95	27.25		1452.9								
	OBS	00175	01.11	34.13	27.36		1456.0								
	STD	00200	01.30	34.18	27.39	00.225	1457.3								
	OBS	00201	01.31	34.18	27.39		1457.4								
	OBS	00226	01.38	34.24	27.43		1458.2								
	STD	00230	01.73	34.38	27.51	00.257	1460.4								
	OBS	00251	01.81	34.39	27.52		1460.7								
	OBS	00258	02.37	34.45	27.56		1463.4								
	OBS	00270	03.06	34.56	27.55		1466.7								
	OBS	00274	03.13	34.61	27.58		1467.1								
	OBS	00281	03.49	34.64	27.57		1468.9								
	OBS	00291	03.87	34.75	27.62		1470.8								
	OBS	00295	04.24	34.79	27.62		1472.4								
	STD	00300	04.30	34.78	27.60	00.285	1472.8								
	OBS	00302	04.33	34.77	27.59		1472.9								
	OBS	00323	02.13	34.51	27.59		1463.5								
	OBS	00350	02.17	34.55	27.62		1464.2								
	STD	00400	02.73	34.65	27.65	00.335	1467.5								
	OBS	00401	02.74	34.65	27.65		1467.6								
	OBS	00451	03.03	34.70	27.66		1465.8								
	STD	00500	03.35	34.77	27.69	00.382	1472.0								
	OBS	00500	03.35	34.77	27.69		1472.0								
	OBS	00552	03.62	34.83	27.71		1474.1								
	STD	00600	03.72	34.86	27.72	00.426	1475.4								
	OBS	00603	03.73	34.86	27.72		1475.5								
	OBS	00652	03.60	34.85	27.73		1475.7								
	STD	00700	03.59	34.86	27.74	00.465	1476.5								
	OBS	00700	03.59	34.86	27.74		1476.5								
	OBS	00750	03.56	34.87	27.75		1477.2								
	STD	00800	03.55	34.87	27.75	00.512	1478.0								
	OBS	00803	03.55	34.87	27.75		1478.1								
	OBS	00854	03.60	34.88	27.75		1479.1								
	STD	00900	03.71	34.90	27.76	00.555	1480.4								
	OBS	00900	03.71	34.90	27.76		1480.4								
	OBS	00951	03.85	34.93	27.77		1481.5								
	STD	01000	03.93	34.95	27.77	00.598	1483.1								
	OBS	01003	03.94	34.95	27.77		1483.1								
	OBS	01018	03.99	34.95	27.77		1483.6								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA														
REFID 31 8454	YEAR 1975	BOTDP 03081	AIR TEMP 02.7	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1304							
CONSEC 0373	MONTH 04	SHIP EV	WET BULB 02.0	06 1 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2							
LAT 43 43.2N	DAY 23	DATA USE 1	BAROMETR 1021.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28							
LONG 048 27 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIS 011 762 18	1 SQUARE 38							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	END VEL	OKYG	PO4	TOT P	NO2	NCS	SIO3	PH
11.5	STD	00000	03.85	33.45	26.55	00.000	1464.1							
	OBS	00000	03.85	33.45	26.55		1464.1							
	STD	00010	03.78	33.44	26.59	00.015	1464.0							
	OBS	00011	03.77	33.44	26.59		1464.0							
	OBS	00017	03.71	33.50	26.65		1463.9							
	STD	00020	04.25	33.43	26.69	00.025	1464.6							
	OBS	00020	04.33	33.63	26.69		1466.7							
	OBS	00022	04.35	33.57	26.64		1466.8							
	OBS	00024	03.83	33.61	26.72		1464.7							
	OBS	00028	02.20	33.44	26.73		1457.5							
	STD	00030	02.21	33.45	26.74	00.042	1457.6							
	OBS	00030	02.21	33.46	26.75		1457.6							
	OBS	00032	01.74	33.39	26.72		1455.4							
	OBS	00034	01.64	33.48	26.80		1455.2							
	OBS	00038	01.45	33.51	26.83		1455.3							
	OBS	00040	01.84	33.54	26.84		1456.2							
	OBS	00045	00.39	33.45	26.86		1449.7							
	STD	00050	00.53	33.58	26.56	00.066	1450.4							
	OBS	00051	00.57	33.61	26.98		1450.8							
	OBS	00053	00.62	33.63	26.99		1451.1							
	OBS	00055	00.81	33.64	26.99		1452.0							
	OBS	00060	01.77	33.74	27.02		1456.6							
	OBS	00066	01.55	33.78	27.02		1457.5							
	OBS	00068	02.87	33.94	27.07		1461.7							
	OBS	00070	03.17	33.67	27.07		1463.1							
	OBS	00072	03.19	33.96	27.06		1463.2							
	OBS	00074	03.47	34.04	27.10		1464.5							
	STD	00075	03.59	34.06	27.10	00.092	1465.1							
	OBS	00078	03.57	34.13	27.12		1466.8							
	OBS	00093	04.60	34.30	27.19		1470.0							
	OBS	00097	05.44	34.41	27.18		1473.6							
	STD	00100	05.47	34.40	27.17	00.116	1473.8							
	OBS	00102	05.50	34.38	27.15		1473.9							
	OBS	00106	05.14	34.33	27.15		1472.4							
	OBS	00112	05.41	34.42	27.19		1473.8							
	OBS	00116	04.73	34.31	27.18		1470.9							
	OBS	00123	04.58	34.29	27.18		1470.4							
	STD	00125	04.78	34.36	27.21	00.138	1471.3							
	OBS	00127	05.07	34.45	27.25		1472.7							
	OBS	00137	05.09	34.43	27.23		1472.9							
	STD	00150	05.12	34.43	27.23	00.160	1473.2							
	OBS	00150	05.12	34.43	27.23		1473.2							
	OBS	00156	05.09	34.43	27.23		1473.2							
	OBS	00173	04.32	34.38	27.28		1470.2							
	OBS	00177	04.01	34.34	27.28		1468.5							
	OBS	00196	03.53	34.32	27.31		1467.2							
	OBS	00199	03.56	34.43	27.40		1467.5							
	STD	00200	03.57	34.43	27.40	00.200	1467.6							
	OBS	00207	04.23	34.51	27.39		1470.6							
	OBS	00220	04.48	34.56	27.41		1471.9							
	OBS	00228	04.23	34.55	27.43		1471.0							
	OBS	00234	04.30	34.56	27.43		1471.4							
	OBS	00239	04.67	34.65	27.46		1473.1							
	OBS	00243	04.64	34.70	27.50		1473.1							
	STD	00250	04.81	34.68	27.47	00.233	1473.9							
	OBS	00251	04.84	34.68	27.46		1474.2							
	OBS	00276	05.03	34.74	27.49		1475.3							
	OBS	00283	04.67	34.71	27.50		1473.9							
	STD	00300	04.82	34.80	27.54	00.264	1475.3							
	OBS	00302	04.94	34.81	27.55		1475.4							
	OBS	00304	04.93	34.80	27.55		1475.5							
	OBS	00310	04.67	34.77	27.55		1474.5							
	OBS	00350	04.75	34.86	27.61		1475.6							
	STD	00400	04.80	34.91	27.65	00.315	1476.6							
	OBS	00405	04.80	34.91	27.65		1476.7							
	OBS	00451	04.84	34.95	27.68		1477.7							
	STD	00500	04.85	34.98	27.70	00.367	1478.6							
	OBS	00500	04.85	34.98	27.70		1478.6							
	OBS	00544	04.65	34.67	27.71		1478.7							
	STD	00600	04.57	34.96	27.72	00.413	1479.1							
	OBS	00651	04.37	34.96	27.74		1475.8							
	STD	00700	04.30	34.96	27.74	00.458	1479.6							
	OBS	00700	04.30	34.96	27.74		1479.6							
	OBS	00750	04.23	34.95	27.74		1480.1							
	STD	00800	04.17	34.96	27.76	00.501	1480.7							
	OBS	00801	04.17	34.96	27.76		1480.8							
	OBS	00852	04.08	34.95	27.76		1481.2							
	STD	00900	04.01	34.94	27.76	00.544	1481.7							
	OBS	00902	04.01	34.94	27.76		1481.7							
	OBS	00953	03.87	34.93	27.77		1482.0							
	STD	01000	03.82	34.92	27.76	00.588	1482.6							
	OBS	01003	03.82	34.92	27.76		1482.6							
	OBS	01018	03.85	34.94	27.78		1483.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA														
REFID 31 0454	YEAR 1975	BOTOP 02215	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 29	INST STC RECDER	TEN SO 1306							
CONSEC 0074	MONTH 04	SHIP EV	WET BULB 02.8	29 2 2	WIND-SPD 22	TRACE DIR 0	5 SQUARE 2							
LA* 43 34 N	DAY 23	DATA USE 1	BAROMETR 1024.9	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 28							
LONG 048 02 W	MOUR 14.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	DRPG 011 763 18	1 SQUARE 38							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	STD	00000	11.05	35.40	27.10	00.000	1454.7							
	OBS	00003	11.05	35.40	27.10		1454.7							
	STD	00010	11.05	35.40	27.10	00.010	1454.8							
	OBS	00011	11.05	35.40	27.10		1454.9							
	STD	00020	11.01	35.40	27.09	00.020	1455.1							
	OBS	00020	11.07	35.40	27.09		1455.1							
	STD	00030	11.06	35.40	27.09	00.029	1455.2							
	OBS	00030	11.06	35.40	27.09		1455.2							
	STD	00050	11.07	35.40	27.09	00.049	1455.6							
	OBS	00051	11.07	35.40	27.09		1455.6							
	STD	00075	11.07	35.40	27.09	00.074	1456.0							
	OBS	00076	11.07	35.40	27.09		1456.0							
	STD	00100	11.07	35.41	27.10	00.099	1456.4							
	OBS	00100	11.07	35.41	27.10		1456.4							
	STD	00125	11.09	35.40	27.09	00.124	1456.9							
	OBS	00125	11.09	35.40	27.09		1456.9							
	STD	00150	11.09	35.41	27.10	00.149	1457.3							
	OBS	00150	11.09	35.41	27.10		1457.3							
	STD	00175	11.09	35.40	27.09		1457.7							
	OBS	00200	11.10	35.41	27.09	00.200	1458.1							
	STD	00201	11.10	35.41	27.09		1458.2							
	OBS	00224	11.00	35.38	27.09		1458.2							
	STD	00237	10.94	35.38	27.10		1458.1							
	OBS	00243	10.53	35.30	27.11		1456.7							
	STD	00250	09.94	35.19	27.13	00.251	1459.5							
	OBS	00251	09.85	35.18	27.14		1459.2							
	STD	00260	09.55	35.16	27.17		1459.2							
	OBS	00274	08.92	35.06	27.20		1451.0							
	STD	00300	08.15	34.93	27.22	00.290	1480.3							
	OBS	00302	08.08	34.92	27.22		1480.1							
	STD	00350	07.63	34.94	27.30		1487.2							
	OBS	00400	06.70	34.90	27.40	00.382	1484.3							
	STD	00401	06.69	34.90	27.40		1484.3							
	OBS	00426	06.81	34.98	27.45		1485.3							
	STD	00430	06.52	34.93	27.45		1484.1							
	OBS	00451	06.55	34.96	27.47		1484.6							
	STD	00466	06.27	34.92	27.48		1483.7							
	OBS	00472	05.91	34.87	27.48		1482.3							
	STD	00498	05.68	34.87	27.51		1481.8							
	OBS	00500	05.60	34.86	27.51	00.452	1481.5							
	STD	00502	05.45	34.83	27.51		1480.9							
	OBS	00523	04.47	34.73	27.54		1477.1							
	STD	00550	04.37	34.78	27.59		1477.2							
	OBS	00559	04.78	34.88	27.63		1479.2							
	STD	00600	05.20	34.97	27.65	00.511	1481.7							
	OBS	00601	05.21	34.97	27.65		1481.8							
	STD	00651	05.03	34.98	27.68		1481.8							
	OBS	00700	04.78	34.98	27.71	00.561	1481.6							
	STD	00700	04.78	34.98	27.71		1481.6							
	OBS	00750	04.66	34.97	27.71		1482.0							
	STD	00800	04.58	34.96	27.73	00.608	1482.5							
	OBS	00805	04.57	34.98	27.73		1482.5							
	STD	00850	04.46	34.98	27.74		1482.8							
	OBS	00900	04.24	34.95	27.74	00.654	1482.7							
	STD	00902	04.23	34.95	27.74		1482.7							
	OBS	00955	04.21	34.95	27.75		1483.5							
	STD	01000	04.12	34.95	27.75	00.695	1483.9							
	OBS	01001	04.12	34.95	27.76		1483.9							
	STD	01022	04.08	34.95	27.76		1484.0							
	OBS	01024	04.08	34.95	27.76		1484.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454	YEAR 1975	BOTOP 03817	AIR TEMP 05.8	DIR MGT PER	WIND-DIR 24	INST STC RECORDER	TEN SG 1306
CONSEC 0075	MONTH 04	SHIP EV	NET BULD 03.3	33 3 4	WIND-SPD 17	TRACE DIR	5 SQUARE 2
LAT 43 26.2N	DAY 23	DATA USE 1	BAROMETER 1026.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 33.6W	HOUR 16.7	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	OR 25 CL 764 14	1 SQUARE 37

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DVNDPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.7	STD	00000	11.53	35.51	27.09	00.000	1466.5							
	OBS	00000	11.53	35.51	27.09		1466.5							
	STD	00010	11.53	35.51	27.09	00.010	1466.7							
	OBS	00011	11.53	35.51	27.09		1466.7							
	STD	00020	11.53	35.52	27.10	00.020	1466.8							
	OBS	00020	11.53	35.52	27.10		1466.8							
	STD	00030	11.53	35.51	27.09	00.026	1467.0							
	OBS	00030	11.53	35.51	27.09		1467.0							
	STD	00050	11.53	35.51	27.09	00.046	1467.3							
	OBS	00051	11.53	35.51	27.09		1467.3							
	STD	00075	11.55	35.52	27.10	00.074	1467.8							
	OBS	00076	11.55	35.52	27.10		1467.8							
	STD	00100	11.53	35.51	27.09	00.096	1468.1							
	OBS	00100	11.53	35.51	27.09		1468.1							
	STD	00125	11.53	35.51	27.09	00.124	1468.5							
	OBS	00125	11.53	35.51	27.09		1468.5							
	STD	00150	11.53	35.51	27.09	00.150	1468.9							
	OBS	00150	11.53	35.51	27.09		1468.9							
	OBS	00175	11.52	35.50	27.09		1469.0							
	STD	00200	11.50	35.50	27.09	00.201	1469.7							
	OBS	00203	11.50	35.50	27.09		1469.7							
	OBS	00224	11.50	35.50	27.09		1500.1							
	STD	00250	11.48	35.49	27.09	00.253	1500.4							
	OBS	00253	11.48	35.48	27.08		1500.4							
	OBS	00270	11.09	35.38	27.07		1499.2							
	OBS	00277	10.12	35.24	27.14		1495.7							
	STD	00300	09.43	35.11	27.16	00.304	1493.4							
	OBS	00300	09.40	35.11	27.16		1493.3							
	OBS	00350	07.48	34.84	27.25		1486.5							
	STD	00400	07.48	34.83	27.32	00.394	1487.4							
	OBS	00401	07.48	34.83	27.32		1487.4							
	OBS	00449	06.72	34.87	27.38		1485.2							
	OBS	00453	06.48	34.82	27.37		1484.2							
	OBS	00476	06.07	34.81	27.41		1483.0							
	STD	00500	05.89	34.83	27.45	00.472	1482.7							
	OBS	00500	05.89	34.83	27.45		1482.6							
	OBS	00550	05.96	34.87	27.56		1483.5							
	STD	00600	05.31	34.90	27.58	00.536	1482.0							
	OBS	00601	05.30	34.90	27.58		1482.0							
	OBS	00651	05.37	35.00	27.65		1483.3							
	STD	00700	04.64	34.90	27.66	00.592	1481.0							
	OBS	00700	04.64	34.90	27.66		1481.0							
	OBS	00750	04.78	34.98	27.71		1482.5							
	STD	00800	04.72	34.98	27.71	00.642	1483.1							
	OBS	00801	04.72	34.98	27.71		1483.1							
	OBS	00850	04.51	34.97	27.73		1483.0							
	STD	00900	04.38	34.96	27.74	00.660	1483.3							
	OBS	00902	04.37	34.96	27.74		1483.3							
	OBS	00951	04.28	34.96	27.75		1483.7							
	OBS	00982	04.15	34.95	27.75		1483.7							
	STD	01000	04.16	34.95	27.75	00.735	1484.0							
	OBS	01003	04.16	34.95	27.75		1484.1							
	OBS	01018	04.16	34.96	27.76		1484.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA															
REF ID	31 0454	YEAR	1975	BOAT	03447	AIR TEMP	04.5	DJA HGT	PER	WIND-DJA	26	INST STD	RECORDER	TEN SQ	1306
CONSEC	0076	MONTH	04	SHIP	EV	WET BULB	02.5	27	2	2	14	TRACE	DIR	5	SQUARE
LAT	43 14 N	DAY	23	DATA	USE 1	BAROMETER	1029.0	SEA		WIND-FOR		DURATION	00.8	2	SQUARE
LONG	047 13.5W	HOURL	15.4	AREA	05	CLOUD	T/A	CL/TR		WEATHER	X2	ORIG	C11 765 09	1	SQUARE
CSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SHD VEL	OKYC	PO4	TOT P	NO2	NO3	S103	PH	
19.6	STD	00000	04.35	33.78	26.80	00.000	1466.9								
	OBS	00001	04.39	33.78	26.80		1466.9								
	STD	00010	04.40	33.78	26.80	00.013	1467.0								
	OBS	00011	04.40	33.78	26.80		1467.1								
	STD	00020	04.42	33.80	26.81	00.025	1467.4								
	OBS	00020	04.43	33.81	26.82		1467.4								
	OBS	00028	04.51	33.92	26.90		1468.0								
	STD	00030	04.48	33.94	26.90	00.037	1468.8								
	OBS	00030	04.74	33.95	26.89		1469.0								
	STD	00050	05.33	34.08	26.93	00.060	1472.0								
	OBS	00051	05.37	34.09	26.93		1472.2								
	OBS	00059	04.94	33.95	26.87		1470.4								
	OBS	00060	04.16	33.85	26.88		1467.0								
	OBS	00062	04.66	33.95	26.90		1469.2								
	OBS	00074	03.88	34.04	27.06		1466.3								
	STD	00075	03.99	34.06	27.06	00.087	1466.8								
	OBS	00076	04.15	34.09	27.07		1467.5								
	OBS	00078	04.46	34.14	27.09		1468.5								
	OBS	00079	04.23	34.12	27.08		1468.0								
	OBS	00083	04.42	34.15	27.09		1468.9								
	OBS	00095	03.63	34.02	27.07		1465.5								
	STD	00100	03.49	34.02	27.08	00.112	1465.0								
	OBS	00100	03.48	34.02	27.08		1465.0								
	OBS	00102	03.46	34.04	27.10		1465.0								
	OBS	00104	03.51	34.12	27.10		1465.3								
	OBS	00104	03.77	34.13	27.14		1466.5								
	OBS	00118	04.03	34.21	27.18		1467.9								
	OBS	00121	05.08	34.35	27.17		1472.5								
	STD	00125	05.38	34.42	27.19	00.136	1473.9								
	OBS	00125	05.42	34.43	27.20		1474.0								
	OBS	00139	04.77	34.37	27.22		1471.5								
	OBS	00142	05.35	34.52	27.28		1476.2								
	OBS	00144	05.51	34.54	27.27		1476.5								
	STD	00150	05.29	34.49	27.26	00.158	1474.0								
	OBS	00154	05.25	34.48	27.26		1473.9								
	OBS	00159	05.38	34.50	27.26		1474.5								
	OBS	00169	03.73	34.28	27.26		1467.5								
	OBS	00173	03.47	34.24	27.26		1466.4								
	OBS	00175	03.55	34.31	27.30		1466.9								
	OBS	00188	03.96	34.40	27.34		1469.0								
	OBS	00190	03.90	34.39	27.33		1468.7								
	OBS	00194	03.02	34.25	27.31		1466.9								
	STD	00200	02.93	34.24	27.32	00.198	1464.4								
	OBS	00201	02.84	34.24	27.33		1464.2								
	OBS	00203	02.90	34.28	27.34		1464.5								
	OBS	00205	03.44	34.34	27.34		1467.0								
	OBS	00207	03.50	34.39	27.37		1467.3								
	OBS	00211	04.18	34.47	27.37		1470.4								
	OBS	00215	05.11	34.67	27.42		1473.6								
	OBS	00226	04.87	34.57	27.37		1474.3								
	OBS	00237	04.77	34.63	27.41		1470.9								
	STD	00250	04.15	34.52	27.41	00.235	1470.8								
	OBS	00251	04.12	34.52	27.41		1470.8								
	OBS	00253	04.10	34.52	27.42		1471.8								
	OBS	00276	04.23	34.55	27.46		1473.0								
	STD	00300	04.38	34.67	27.50	00.268	1473.0								
	OBS	00300	04.39	34.67	27.50		1473.4								
	OBS	00344	04.75	34.81	27.57		1475.4								
	OBS	00348	04.75	34.79	27.56		1475.4								
	OBS	00352	04.46	34.74	27.55		1476.2								
	OBS	00354	04.42	34.77	27.58		1474.1								
	OBS	00382	04.39	34.76	27.58		1474.5								
	STD	00400	03.89	34.73	27.60	00.326	1472.6								
	OBS	00403	03.87	34.72	27.60		1472.6								
	OBS	00409	03.85	34.75	27.62		1472.8								
	OBS	00416	04.37	34.82	27.63		1475.0								
	OBS	00451	04.56	34.88	27.65		1476.5								
	STD	00500	04.60	34.93	27.69	00.376	1477.5								
	OBS	00500	04.60	34.93	27.69		1477.5								
	OBS	00532	04.55	34.95	27.71		1478.2								
	STD	00600	04.50	34.95	27.71	00.423	1478.8								
	OBS	00601	04.50	34.95	27.71		1478.8								
	OBS	00651	04.42	34.96	27.73		1479.3								
	STD	00700	04.35	34.96	27.74	00.448	1479.8								
	OBS	00700	04.35	34.96	27.74		1479.8								
	OBS	00750	04.26	34.96	27.75		1480.3								
	STD	00800	04.14	34.95	27.75	00.511	1480.6								
	OBS	00801	04.14	34.95	27.75		1480.6								
	OBS	00850	04.05	34.95	27.76		1481.1								
	STD	00900	03.99	34.95	27.77	00.554	1481.6								
	OBS	00902	03.99	34.95	27.77		1481.7								
	OBS	00951	03.94	34.95	27.77		1482.3								
	STD	01000	03.76	34.91	27.76	00.597	1482.3								
	OBS	01005	03.74	34.91	27.76		1482.3								
	OBS	01018	03.67	34.91	27.77		1482.2								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0434	YEAR 1975	BDTDP 03878	ATR TEMP 03.3	DIR HGT PER 32 2 1	WIND-DIR 32	INST STD RECORDER	TEN 50 1304
CONSEC 0077	MONTH 04	SHIP EV	WET BULB 02.1	SEA	WIND-SPD 10	TRACE DIA 0	5 SQUARE 2
LAT 43 10 N	DAY 23	DATA USE 1	BAROMETER 1031.5	CL/TP	WIND-FOR	DURATION 00.1	2 SQUARE 26
LONG 046 49 W	MOOR 22.8	AREA 05	CLOUD T/A		WEATHER X1	ORIG CII 766	1 SQUARE 36

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DEPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
22.8	STD	00000	04.03	33.60	26.69	00.000	1465.1							
	OBS	00003	04.03	33.60	26.69		1465.2							
	STD	00010	03.99	33.60	26.70	00.014	1465.1							
	OBS	00011	03.98	33.60	26.70		1465.1							
	STD	00020	03.92	33.59	26.70	00.027	1465.0							
	OBS	00020	03.91	33.59	26.70		1465.0							
	OBS	00024	03.83	33.57	26.69		1464.6							
	STD	00030	03.61	33.61	26.74	00.040	1463.8							
	OBS	00030	03.59	33.61	26.74		1463.7							
	STD	00050	03.81	33.83	26.90	00.065	1465.3							
	OBS	00051	03.82	33.84	26.90		1465.4							
	STD	00075	03.74	33.96	27.00	00.093	1465.6							
	OBS	00076	03.73	33.96	27.01		1465.6							
	OBS	00095	03.58	34.03	27.08		1465.3							
	STD	00100	03.48	34.05	27.10	00.115	1465.0							
	OBS	00100	03.46	34.05	27.11		1464.9							
	OBS	00104	03.39	34.04	27.11		1464.7							
	STD	00125	03.06	34.07	27.16	00.143	1463.6							
	OBS	00127	03.03	34.07	27.16		1463.6							
	OBS	00129	03.01	34.10	27.19		1463.6							
	STD	00150	03.08	34.15	27.22	00.165	1464.3							
	OBS	00150	03.08	34.15	27.22		1464.3							
	OBS	00177	03.18	34.27	27.31		1465.3							
	OBS	00180	03.13	34.27	27.31		1465.1							
	OBS	00184	03.64	34.38	27.35		1467.6							
	OBS	00194	03.73	34.43	27.38		1468.1							
	OBS	00199	04.16	34.50	27.36		1470.1							
	STD	00200	04.16	34.50	27.39	00.205	1470.2							
	OBS	00201	04.21	34.52	27.40		1470.4							
	OBS	00205	04.33	34.52	27.39		1471.0							
	OBS	00213	04.05	34.45	27.40		1469.9							
	OBS	00228	03.83	34.46	27.40		1469.2							
	STD	00250	03.44	34.48	27.45	00.235	1467.9							
	OBS	00251	03.42	34.48	27.45		1467.8							
	OBS	00276	03.99	34.62	27.51		1470.8							
	STD	00300	04.56	34.73	27.53	00.270	1473.8							
	OBS	00300	04.57	34.73	27.53		1473.8							
	OBS	00317	04.71	34.78	27.56		1474.8							
	OBS	00325	05.06	34.87	27.59		1476.4							
	STD	00430	04.73	34.88	27.63	00.326	1476.3							
	OBS	00401	04.71	34.88	27.63		1476.3							
	OBS	00403	04.69	34.90	27.65		1476.2							
	OBS	00451	04.93	34.96	27.67		1478.1							
	STD	00500	04.91	34.99	27.70	00.375	1478.9							
	OBS	00500	04.91	34.96	27.70		1478.6							
	OBS	00550	04.71	34.98	27.71		1478.9							
	STD	00600	04.69	34.99	27.72	00.420	1475.6							
	OBS	00603	04.69	34.99	27.72		1479.7							
	OBS	00651	04.61	34.99	27.73		1480.1							
	STD	00700	04.51	34.95	27.74	00.465	1480.5							
	OBS	00700	04.51	34.99	27.74		1480.5							
	OBS	00750	04.44	34.99	27.75		1481.1							
	STD	00800	04.33	34.98	27.76	00.502	1481.5							
	OBS	00801	04.33	34.98	27.76		1481.5							
	OBS	00852	04.08	34.95	27.76		1481.2							
	STD	00900	04.01	34.94	27.76	00.552	1481.7							
	OBS	00902	04.01	34.94	27.76		1481.7							
	OBS	00951	04.01	34.95	27.77		1482.6							
	STD	01000	03.95	34.94	27.77	00.595	1483.1							
	OBS	01001	03.94	34.94	27.77		1483.1							
	OBS	01018	03.82	34.93	27.77		1482.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATICA DATA

REFID 31 0454	YEAR 1975	BOTOP 04361	AIR TEMP 05.1	DIA HGT PER	WIND-DIR 30	INST STO RECORDER	TEN SQ 1306
CONSEC 0078	MONTH 04	SHIP EV	NET BULB 03.0	00 0 X	WIND-SPD 12	TRACE CIR D	5 SQUARE 2
LAT 43 03 N	DAY 24	DATA USE 1	BARCHETA 1003.0	SEA	WIND-FOR	DURATICA 00.5	2 SQUARE 26
LONG 046 21 W	MOOR 01.3	AREA 05	CLUD T/A	CL/TR	WEATHER X2	ORIG 011 767	1 SQUARE 36

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
01.3	STD	00000	15.00	36.07	26.81	00.000	1508.7							
	OBS	00000	15.00	36.07	26.81		1508.7							
	STD	00010	15.01	36.06	26.80	00.013	1508.9							
	OBS	00010	15.01	36.06	26.80		1508.9							
	STD	00020	15.01	36.06	26.80	00.025	1509.1							
	OBS	00020	15.01	36.06	26.80		1509.1							
	STD	00030	15.00	36.06	26.81	00.038	1509.2							
	OBS	00030	15.00	36.06	26.81		1509.2							
	STD	00050	14.89	36.04	26.82	00.063	1509.1							
	OBS	00050	14.89	36.04	26.82		1509.1							
	OBS	00060	14.24	35.88	26.83		1507.1							
	STD	00075	14.17	35.51	26.87	00.094	1507.1							
	OBS	00075	14.17	35.51	26.87		1507.1							
	STD	00100	14.13	35.90	26.87	00.124	1507.4							
	OBS	00100	14.13	35.90	26.87		1507.4							
	STD	00125	13.58	35.87	26.88	00.155	1507.3							
	OBS	00125	13.57	35.87	26.88		1507.2							
	OBS	00129	13.57	35.88	26.90		1506.9							
	STD	00150	13.45	35.84	26.92	00.185	1506.7							
	OBS	00150	13.49	35.84	26.92		1506.7							
	OBS	00177	13.54	35.83	26.94		1506.7							
	STD	00200	13.47	35.79	26.93	00.244	1506.7							
	OBS	00201	13.45	35.79	26.93		1506.7							
	OBS	00226	13.06	35.72	26.96		1505.7							
	STD	00250	12.83	35.68	26.97	00.303	1505.2							
	OBS	00251	12.81	35.68	26.98		1505.2							
	OBS	00277	12.41	35.62	27.01		1504.2							
	STD	00300	12.05	35.54	27.02	00.360	1503.2							
	OBS	00302	12.00	35.53	27.02		1503.1							
	OBS	00350	10.84	35.35	27.10		1459.6							
	OBS	00354	10.62	35.33	27.12		1498.9							
	STD	00400	09.53	35.20	27.21	00.464	1455.5							
	OBS	00403	09.49	35.20	27.21		1455.4							
	OBS	00420	09.37	35.21	27.24		1455.3							
	OBS	00453	08.45	35.10	27.30		1452.2							
	STD	00500	07.92	35.09	27.38	00.552	1451.0							
	OBS	00502	07.89	35.09	27.38		1450.9							
	OBS	00552	07.27	35.06	27.45		1409.3							
	OBS	00580	06.83	35.03	27.49		1408.0							
	OBS	00586	06.50	34.96	27.48		1466.7							
	STD	00600	06.27	34.57	27.51	00.625	1486.0							
	OBS	00601	06.27	34.97	27.51		1486.0							
	OBS	00603	06.27	35.03	27.56		1486.1							
	OBS	00651	06.07	35.03	27.59		1486.1							
	STD	00700	05.64	35.02	27.63	00.687	1485.3							
	OBS	00700	05.64	35.02	27.63		1485.3							
	OBS	00750	05.27	35.00	27.66		1484.5							
	STD	00800	05.08	34.99	27.68	00.741	1484.6							
	OBS	00803	05.07	34.99	27.68		1484.5							
	OBS	00852	04.84	34.98	27.70		1484.4							
	OBS	00854	04.80	34.98	27.70		1484.3							
	STD	00900	04.75	35.01	27.73	00.751	1484.9							
	OBS	00902	04.75	35.01	27.73		1484.5							
	OBS	00951	04.78	35.02	27.74		1485.9							
	STD	01000	04.73	35.02	27.74	00.838	1486.5							
	OBS	01001	04.73	35.02	27.74		1486.5							
	OBS	01018	04.66	35.01	27.74		1486.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

HODC STATION DATA

REFID 31 0454	YEAR 1975	SHIP EV	SHIP EV	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN 50 1306
CONSEC 0076	MONTH 04	DATA USE 1	SHIP EV	NET BULB 01.6	SEA 00 0 X	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LA 42 34 N	DAY 24	AREA 05	SHIP EV	BAROMETR 1030.0	CL/TX	WIND-FOR	DURATION	2 SQUARE 26
LONG 046 42 W	MOUR 05-2		SHIP EV	CLCUD T/A		WEATHER X1	ORIG 011 768	1 SQUARE 26
CASTNO/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVC
05-2	STD	00000	06.44	33.71	26.47	00.000	1475.9	
	085	00001	06.44	33.71	26.47		1476.0	
	085	00007	06.75	33.76	26.50		1476.6	
	STD	00010	07.10	33.93	26.58	00.015	1478.2	
	085	00011	07.34	34.00	26.61		1479.3	
	085	00015	08.14	34.08	26.55		1482.5	
	STD	00020	08.37	34.19	26.60	00.030	1483.6	
	085	00020	08.42	34.20	26.60		1483.8	
	085	00028	08.88	34.19	26.52		1485.7	
	STD	00030	08.23	34.12	26.57	00.044	1483.2	
	085	00030	08.12	34.10	26.57		1482.7	
	085	00032	08.30	34.30	26.70		1483.7	
	085	00034	08.46	34.29	26.67		1484.3	
	085	00036	08.39	34.33	26.71		1484.1	
	085	00041	08.51	34.38	26.73		1484.7	
	085	00045	09.30	34.49	26.85		1488.2	
	085	00047	09.71	34.77	26.84		1489.8	
	STD	00050	10.38	34.92	26.84	00.071	1452.5	
	085	00053	10.47	34.94	26.84		1492.9	
	085	00057	09.39	34.70	26.64		1488.7	
	085	00060	08.97	34.68	26.89		1487.2	
	085	00074	09.70	34.97	27.00		1490.5	
	STD	00075	09.76	35.02	27.03	00.100	1490.8	
	085	00076	09.90	35.06	27.04		1491.3	
	085	00078	10.31	35.07	26.97		1452.5	
	STD	00100	10.69	35.16	26.98	00.127	1454.7	
	085	00100	10.71	35.17	26.98		1454.8	
	STD	00125	11.51	35.38	27.00	00.155	1498.3	
	085	00125	11.51	35.38	27.00		1498.3	
	085	00139	11.37	35.34	26.99		1458.0	
	085	00146	10.43	35.12	26.99		1494.5	
	STD	00150	10.25	35.14	27.04	00.182	1493.9	
	085	00150	10.23	35.14	27.04		1453.5	
	085	00156	09.57	35.02	26.99		1452.9	
	085	00159	09.43	34.94	27.02		1490.8	
	085	00163	09.21	34.88	27.01		1490.0	
	085	00177	08.87	34.90	27.08		1489.0	
	085	00184	08.83	34.89	27.08		1489.0	
	085	00188	08.70	34.83	27.05		1488.5	
	STD	00200	08.38	34.87	27.13	00.233	1487.5	
	085	00201	08.35	34.87	27.14		1487.4	
	085	00226	08.32	34.90	27.17		1487.7	
	STD	00250	08.32	34.96	27.21	00.281	1488.2	
	085	00251	08.32	34.96	27.21		1488.2	
	085	00276	08.07	34.94	27.24		1487.6	
	STD	00300	07.90	34.93	27.25	00.325	1487.4	
	085	00300	07.89	34.93	27.24		1487.3	
	085	00344	07.25	34.94	27.36		1485.6	
	085	00350	07.63	35.04	27.38		1487.3	
	STD	00400	08.04	35.16	27.41	00.407	1489.8	
	085	00401	08.05	35.16	27.41		1489.9	
	085	00451	07.16	35.09	27.49		1487.2	
	STD	00500	06.67	35.07	27.54	00.476	1486.1	
	085	00502	06.65	35.07	27.54		1486.0	
	085	00550	06.31	35.08	27.60		1485.5	
	085	00561	06.24	35.07	27.60		1485.4	
	085	00565	05.72	34.98	27.59		1483.3	
	STD	00600	05.46	34.98	27.63	00.535	1482.8	
	085	00601	05.45	34.98	27.63		1482.7	
	085	00651	05.19	35.00	27.67		1482.5	
	STD	00700	04.91	34.97	27.68	00.588	1482.1	
	085	00702	04.90	34.97	27.68		1482.2	
	085	00750	04.88	35.01	27.72		1482.5	
	085	00788	04.63	35.02	27.73		1483.4	
	STD	00800	04.90	35.03	27.73	00.636	1483.8	
	085	00803	04.91	35.03	27.73		1483.5	
	085	00850	04.76	35.02	27.74		1484.1	
	STD	00900	04.59	34.99	27.74	00.683	1484.2	
	085	00902	04.58	34.99	27.74		1484.2	
	085	00951	04.45	34.99	27.75		1484.5	
	STD	01000	04.37	34.98	27.75	00.730	1484.9	
	085	01003	04.36	34.98	27.75		1484.9	
	085	01012	04.31	34.97	27.75		1484.6	
	085	01022	04.31	34.98	27.76		1485.0	

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BOTOP 04244 AIR TEMP 04.3 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306
 CONSEC 0000 MONTH 04 SHIP EV WET BULB 02.5 99 X X WIND-SPD 14 TRACE DIR 5 SQUARE 2
 LAT 42 10.5N DAY 24 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 2
 LONG 047 01.4W HOUR 08.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 765 1 SQUARE 26

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
08.9	STD	00000	04.73	33.62	26.35	00.000	1476.2							
	OBS	00003	04.73	33.62	26.39		1476.2							
	STD	00010	04.73	33.62	26.39	00.016	1476.3							
	OBS	00011	04.73	33.62	26.39		1476.4							
	OBS	00019	04.71	33.87	26.39		1476.7							
	STD	00020	04.99	33.95	26.42	00.032	1478.0							
	OBS	00020	07.16	33.99	26.42		1478.0							
	OBS	00022	07.23	33.94	26.37		1478.7							
	OBS	00024	07.44	34.09	26.43		1480.9							
	STD	00030	07.71	34.15	26.47	00.046	1481.2							
	OBS	00030	07.75	34.16	26.47		1481.4							
	OBS	00034	08.25	34.27	26.48		1483.5							
	OBS	00041	08.59	34.34	26.49		1485.0							
	OBS	00049	08.07	34.26	26.70		1483.0							
	STD	00050	07.89	34.24	26.71	00.073	1482.3							
	OBS	00053	07.34	34.22	26.78		1480.2							
	OBS	00059	08.92	34.69	26.91		1487.0							
	OBS	00062	09.73	34.84	26.89		1490.2							
	OBS	00068	10.19	34.98	26.92		1492.2							
	OBS	00070	10.53	35.04	26.91		1493.5							
	OBS	00074	11.24	35.27	26.96		1496.4							
	STD	00075	11.31	35.26	26.94	00.104	1496.6							
	OBS	00076	11.39	35.26	26.92		1496.9							
	OBS	00081	11.47	35.30	26.94		1497.4							
	OBS	00089	12.23	35.54	26.98		1500.4							
	OBS	00093	12.35	35.54	26.96		1500.9							
	OBS	00097	12.44	35.63	26.97		1502.0							
	STD	00100	12.65	35.62	26.96	00.133	1502.1							
	OBS	00100	12.65	35.62	26.96		1502.1							
	STD	00125	12.42	35.56	26.96	00.161	1501.6							
	OBS	00125	12.41	35.56	26.96		1501.6							
	STD	00150	12.23	35.56	27.00	00.185	1501.4							
	OBS	00150	12.23	35.56	27.00		1501.4							
	OBS	00175	12.01	35.53	27.02		1501.0							
	STD	00200	11.50	35.48	27.08	00.243	1499.6							
	OBS	00201	11.47	35.48	27.08		1499.5							
	OBS	00217	11.27	35.45	27.09		1499.1							
	OBS	00226	09.90	35.18	27.13		1494.0							
	OBS	00232	09.88	35.18	27.13		1494.0							
	OBS	00236	08.67	34.88	27.10		1489.2							
	OBS	00239	08.62	34.55	27.16		1489.1							
	OBS	00243	07.78	34.76	27.14		1485.9							
	STD	00250	07.48	34.73	27.16	00.293	1484.7							
	OBS	00251	07.45	34.72	27.16		1484.6							
	OBS	00255	07.42	34.70	27.14		1484.5							
	OBS	00258	07.77	34.84	27.20		1486.1							
	OBS	00274	07.60	34.79	27.19		1485.6							
	OBS	00277	07.77	34.83	27.19		1486.4							
	OBS	00283	07.89	34.86	27.20		1487.0							
	OBS	00293	09.09	35.14	27.23		1492.0							
	STD	00300	09.16	35.13	27.21	00.340	1492.4							
	OBS	00300	09.17	35.12	27.20		1492.4							
	OBS	00308	08.14	34.96	27.24		1488.5							
	OBS	00310	08.36	35.00	27.24		1489.4							
	OBS	00317	08.31	35.00	27.25		1489.3							
	OBS	00323	07.48	34.83	27.24		1486.0							
	OBS	00350	07.89	34.98	27.29		1488.2							
	STD	00400	07.89	35.08	27.37	00.426	1489.2							
	OBS	00401	07.89	35.08	27.37		1489.2							
	OBS	00415	07.93	35.10	27.38		1489.6							
	OBS	00422	07.27	34.99	27.39		1487.0							
	OBS	00445	06.76	34.96	27.44		1485.4							
	OBS	00453	06.21	34.88	27.45		1483.2							
	OBS	00454	06.15	34.88	27.46		1483.0							
	OBS	00462	06.74	35.05	27.51		1485.7							
	OBS	00470	06.67	35.02	27.50		1485.3							
	OBS	00477	06.18	34.94	27.50		1483.6							
	OBS	00479	06.14	34.93	27.50		1483.4							
	OBS	00489	05.42	34.80	27.49		1480.5							
	OBS	00496	04.47	34.68	27.50		1476.6							
	OBS	00498	04.42	34.70	27.52		1476.4							
	STD	00500	04.29	34.68	27.52	00.497	1475.9							
	OBS	00504	03.61	34.63	27.52		1474.3							
	OBS	00521	03.37	34.57	27.53		1472.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA														
CSTNRN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	CHYG	PO4	TOT P	NO2	NO3	S103	PH
	OBS	00534	02.57	34.58	27.57		1470.7							
	OBS	00542	03.25	34.68	27.63		1472.2							
	OBS	00546	03.60	34.70	27.61		1473.8							
	OBS	00552	03.74	34.70	27.60		1474.5							
	OBS	00576	04.04	34.75	27.60		1476.2							
	OBS	00584	04.88	34.92	27.65		1480.0							
	STD	00600	04.99	34.94	27.65	00.554	1480.8							
	OBS	00603	05.01	34.94	27.65		1480.9							
	OBS	00605	05.02	34.94	27.65		1481.0							
	OBS	00611	05.24	35.00	27.66		1482.2							
	OBS	00620	05.15	34.98	27.66		1481.8							
	OBS	00626	04.67	34.89	27.65		1479.8							
	OBS	00651	04.40	34.87	27.66		1479.1							
	OBS	00658	04.53	34.90	27.67		1479.8							
	OBS	00662	05.02	34.99	27.69		1482.0							
	OBS	00664	05.02	35.00	27.69		1482.1							
	OBS	00668	05.32	35.04	27.69		1483.4							
	STD	00700	05.31	35.04	27.69	00.605	1483.5							
	OBS	00700	05.31	35.04	27.69		1483.9							
	OBS	00750	04.76	34.97	27.70		1482.4							
	STD	00800	04.75	34.99	27.72	00.654	1483.2							
	OBS	00801	04.75	34.99	27.72		1483.2							
	OBS	00850	04.77	35.03	27.75		1484.2							
	STD	00900	04.66	35.02	27.75	00.701	1484.6							
	OBS	00904	04.68	35.02	27.75		1484.7							
	OBS	00951	04.60	35.01	27.75		1485.1							
	STD	01000	04.46	35.00	27.76	00.746	1485.3							
	OBS	01003	04.45	35.00	27.76		1485.3							
	OBS	01022	04.43	35.00	27.76		1485.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31	0454	YEAR 1975	BOTDP 01450	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN 50 1306
CONSEC 0081	MONTH 04	SHIP EV	SIP EYE	MET BULB 03.0	28 3 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 42 24 N	DAY 24	DATA USE 1	BAROMETER 1017.1	SEA		WIND-FOR	DURATION	2 SQUARE 26
LONG 047 22.0W	MOOR 11.8	AREA 05	CLCUO T/A	CL/TR		WEATHER X1	ORIG 011 770 14	1 SQUARE 27

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
11.8	STD	00000	10.33	34.80	26.76	00.000	1491.3							
	OBS	00001	10.33	34.80	26.76		1491.4							
	STD	00010	10.35	34.80	26.76	00.013	1491.6							
	OBS	00011	10.35	34.81	26.76		1491.6							
	STD	00020	10.49	34.92	26.78	00.026	1493.1							
	OBS	00020	10.73	34.93	26.79		1493.3							
	OBS	00026	11.00	35.03	26.82		1494.5							
	STD	00030	11.76	35.28	26.87	00.038	1497.5							
	OBS	00030	11.81	35.29	26.87		1497.7							
	OBS	00032	11.88	35.24	26.82		1497.9							
OBS	00036	11.02	35.04	26.82		1494.7								
OBS	00038	11.16	35.16	26.89		1495.4								
OBS	00041	11.73	35.30	26.89		1497.6								
OBS	00049	11.70	35.28	26.88		1497.6								
STD	00050	11.76	35.33	26.91	00.062	1497.9								
OBS	00051	11.93	35.43	26.95		1498.6								
OBS	00057	12.34	35.48	26.91		1500.2								
OBS	00059	12.62	35.61	26.96		1501.3								
OBS	00060	12.64	35.66	26.99		1501.5								
OBS	00064	12.80	35.60	26.92		1502.0								
STD	00075	12.81	35.60	26.91	00.091	1502.2								
OBS	00076	12.81	35.60	26.91		1502.2								
OBS	00087	12.71	35.57	26.91		1502.0								
OBS	00091	11.83	35.36	26.92		1498.8								
STD	00100	11.44	35.26	26.91	00.120	1497.5								
OBS	00100	11.43	35.25	26.91		1497.5								
STD	00125	11.72	35.41	26.98	00.145	1499.0								
OBS	00125	11.72	35.41	26.98		1499.1								
STD	00150	11.79	35.45	27.00	00.177	1499.8								
OBS	00150	11.79	35.45	27.00		1499.8								
OBS	00173	11.68	35.45	27.02		1499.8								
OBS	00177	11.26	35.35	27.02		1498.2								
OBS	00180	11.18	35.34	27.03		1498.0								
OBS	00184	10.52	35.21	27.04		1495.6								
OBS	00190	10.30	35.22	27.09		1494.9								
OBS	00192	10.59	35.29	27.09		1496.0								
OBS	00196	10.52	35.24	27.07		1495.8								
OBS	00198	10.16	35.14	27.05		1494.4								
STD	00200	10.11	35.13	27.06	00.231	1494.2								
OBS	00201	10.00	35.13	27.07		1493.9								
OBS	00205	09.56	35.01	27.05		1492.2								
OBS	00207	09.35	35.04	27.11		1491.5								
OBS	00209	09.36	35.01	27.09		1491.5								
OBS	00211	08.59	34.95	27.10		1490.1								
OBS	00215	08.93	34.97	27.13		1489.9								
OBS	00217	10.29	35.30	27.15		1495.4								
OBS	00224	10.65	35.38	27.15		1496.9								
OBS	00226	10.56	35.37	27.16		1496.6								
OBS	00237	10.40	35.36	27.18		1496.2								
STD	00250	10.17	35.34	27.21	00.281	1495.6								
OBS	00251	10.15	35.34	27.21		1495.5								
OBS	00276	09.70	35.26	27.23		1494.2								
STD	00300	09.14	35.20	27.27	00.326	1492.4								
OBS	00300	09.13	35.20	27.27		1492.4								
OBS	00308	09.04	35.19	27.28		1492.2								
OBS	00350	08.11	35.13	27.38		1489.3								
OBS	00356	07.89	35.07	27.37		1488.4								
OBS	00363	07.21	34.94	27.36		1485.8								
STD	00400	06.62	34.94	27.44	00.405	1484.1								
OBS	00401	06.60	34.94	27.45		1484.0								
OBS	00451	06.08	34.95	27.52		1482.8								
STD	00500	05.92	34.99	27.58	00.47C	1483.0								
OBS	00500	05.91	34.99	27.58		1482.9								
OBS	00508	05.84	34.96	27.56		1482.7								
OBS	00517	05.29	34.88	27.57		1480.6								
OBS	00527	03.83	34.68	27.57		1476.4								
OBS	00546	03.99	34.77	27.63		1475.5								
OBS	00555	04.54	34.85	27.63		1478.1								
STD	00600	05.09	34.98	27.67	00.525	1481.3								
OBS	00601	05.10	34.98	27.67		1481.3								
OBS	00651	04.85	34.94	27.67		1481.1								
STD	00700	04.63	34.96	27.71	00.574	1481.0								
OBS	00700	04.63	34.96	27.71		1481.0								
OBS	00750	04.60	34.97	27.72		1481.7								
STD	00800	04.45	34.97	27.73	00.620	1482.1								
OBS	00801	04.49	34.97	27.73		1482.1								
OBS	00850	04.34	34.96	27.74		1482.3								
STD	00900	04.31	34.97	27.75	00.666	1483.0								
OBS	00900	04.31	34.97	27.75		1483.0								
OBS	00951	04.17	34.96	27.76		1483.3								
STD	01000	04.12	34.96	27.76	00.711	1483.4								
OBS	01001	04.12	34.96	27.76		1483.4								
OBS	01045	04.07	34.95	27.76		1484.4								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA													
REFID 31 8454	YEAR 1975	BOTOP 03658	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEM SO 1306						
CONSEC 0002	MONTH 04	S-IP EV	WET BULB 04.2	25 2 3	WIND-SPD 06	TRACE DIR	5 SQUARE 2						
LA" 42 34.7N	DAY 24	DATA USE 1	BAROMETR 1034.1	SEA	WIND-FOR	DURATION	2 SQUARE 26						
LONG 047 41.0W	MOUR 14.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIS 011 771 17	1 SQUARE 27						

CASHTUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNOPTH	SNC VEL	ORVG	PO4	TOT P	NO2	NO3	STO3	PH
14.5	STD	00000	11.53	35.25	26.92	00.000	1456.2							
	OBS	00001	11.53	35.29	26.92		1456.2							
	STD	00010	11.52	35.31	26.94	00.011	1456.4							
	OBS	00011	11.51	35.31	26.94		1456.4							
	STD	00020	11.45	35.29	26.94	00.023	1456.2							
	OBS	00020	11.44	35.29	26.94		1456.2							
	STD	00030	11.40	35.29	26.95	00.034	1456.3							
	OBS	00030	11.40	35.29	26.95		1456.3							
	STD	00050	11.24	35.26	26.95	00.056	1456.0							
	OBS	00051	11.20	35.25	26.95		1455.8							
	STD	00075	09.95	35.05	27.02	00.084	1451.5							
	OBS	00076	09.89	35.04	27.02		1451.3							
	STD	00079	10.02	35.14	27.08		1452.0							
	OBS	00081	10.50	35.24	27.07		1453.8							
	STD	00100	10.52	35.26	27.08	00.110	1454.2							
	OBS	00100	10.52	35.26	27.08		1454.3							
	STD	00125	10.57	35.28	27.09	00.135	1454.8							
	OBS	00127	10.57	35.28	27.09		1454.5							
	STD	00150	10.46	35.26	27.09	00.161	1455.0							
	OBS	00150	10.46	35.26	27.09		1455.0							
	STD	00156	10.51	35.27	27.09		1455.1							
	OBS	00159	10.74	35.34	27.11		1456.1							
	STD	00175	10.72	35.32	27.09		1456.3							
	OBS	00200	10.40	35.25	27.09	00.212	1455.4							
	STD	00203	10.38	35.24	27.06		1455.4							
	OBS	00215	10.34	35.23	27.05		1455.4							
	STD	00220	09.93	35.14	27.09		1453.5							
	OBS	00224	09.84	35.10	27.08		1453.6							
	STD	00226	09.60	35.06	27.09		1452.7							
	OBS	00250	09.31	35.04	27.12	00.262	1452.0							
	STD	00251	09.23	35.04	27.13		1451.7							
	OBS	00255	08.64	34.96	27.11		1450.7							
	STD	00268	08.06	35.03	27.15		1451.4							
	OBS	00272	08.48	34.94	27.17		1451.1							
	STD	00276	08.36	34.92	27.18		1450.7							
	OBS	00281	08.10	34.84	27.15		1450.7							
	STD	00287	07.32	34.74	27.19		1454.7							
	OBS	00291	06.91	34.67	27.19		1453.0							
	STD	00300	07.08	34.73	27.22	00.310	1453.5							
	OBS	00300	07.09	34.74	27.22		1454.0							
	STD	00316	07.33	34.87	27.29		1455.4							
	OBS	00319	07.96	34.97	27.28		1458.0							
	STD	00323	07.95	34.66	27.27		1458.0							
	OBS	00329	08.63	35.10	27.28		1450.5							
	STD	00350	08.05	35.06	27.33		1458.9							
	OBS	00356	07.64	35.04	27.33		1458.7							
	STD	00359	07.66	34.99	27.34		1457.5							
	OBS	00365	07.48	34.98	27.36		1457.0							
	STD	00371	07.87	35.08	27.38		1458.6							
	OBS	00380	07.97	35.08	27.36		1458.2							
	STD	00384	07.67	35.03	27.37		1458.0							
	OBS	00400	06.59	34.88	27.40	00.393	1453.8							
	STD	00401	06.57	34.86	27.39		1453.8							
	OBS	00407	06.65	34.92	27.42		1454.3							
	STD	00435	05.98	34.87	27.47		1452.0							
	OBS	00441	05.41	34.81	27.50		1459.7							
	STD	00451	05.10	34.78	27.51		1458.6							
	OBS	00468	05.06	34.81	27.54		1458.7							
	STD	00474	05.51	34.90	27.56		1458.8							
	OBS	00500	05.51	34.52	27.57	00.460	1451.2							
	STD	00508	05.50	34.92	27.57		1451.2							
	OBS	00552	04.81	34.85	27.60		1459.1							
	STD	00600	04.67	34.54	27.65	00.516	1450.7							
	OBS	00601	04.97	34.54	27.65		1450.7							
	STD	00651	04.85	34.97	27.69		1451.1							
	OBS	00700	04.70	34.96	27.70	00.566	1451.3							
	STD	00700	04.70	34.96	27.70		1451.3							
	OBS	00750	04.51	34.95	27.71		1451.3							
	STD	00800	04.34	34.95	27.73	00.613	1451.4							
	OBS	00801	04.34	34.95	27.73		1451.5							
	STD	00850	04.18	34.94	27.74		1451.6							
	OBS	00900	04.06	34.92	27.74	00.655	1451.9							
	STD	00902	04.06	34.92	27.74		1451.5							
	OBS	00951	03.95	34.92	27.75		1452.5							
	STD	01000	03.88	34.91	27.75	00.704	1452.8							
	OBS	01001	03.88	34.91	27.75		1452.8							
	STD	01018	03.85	34.91	27.75		1453.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C S T A T I O N D A T A														
ESPID 31 0494	YEAR 1975	BOTDP 03374	AIR TEMP 07.5	DIR MGT PER	MIND-DIR 33	INST STD RECORDER	TEN SO 1306							
CONSEC 0083	MONTH 04	SHIP EV	NET BULB 05.0	00 0 X	MIND-SPD 05	TRACE DIR	5 SQUARE 2							
LAT 42 48.1N	DAY 24	DATA USE 1	BAROMETR 1036.0	SEA	MIND-FOR	DURATION	2 SQUARE 26							
LONG 048 04 W	MOOR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIS 011 772	1 SQUARE 28							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VSL	DRYG	PD4	TOT P	MD2	MD3	SIG3	PH
17.8	STD	00000	13.86	35.68	26.76	00.000	1504.6							
	005	00005	13.86	35.68	26.76		1504.7							
	STD	00010	13.74	35.70	26.80	00.013	1504.3							
	005	00015	13.71	35.70	26.81		1504.3							
	STD	00020	13.65	35.70	26.81	00.025	1504.4							
	005	00025	13.65	35.70	26.81		1504.4							
	STD	00030	13.24	35.55	26.79	00.038	1502.8							
	005	00035	13.19	35.54	26.79		1502.7							
	STD	00040	12.76	35.50	26.85		1501.3							
	005	00049	13.01	35.62	26.89		1502.5							
	STD	00050	13.08	35.64	26.91	00.063	1502.8							
	005	00051	13.22	35.74	26.93		1503.5							
	STD	00053	13.47	35.76	26.90		1504.3							
	005	00075	13.15	35.66	26.89	00.092	1503.4							
	STD	00076	13.13	35.66	26.90		1503.4							
	005	00100	12.71	35.60	26.93	00.121	1502.3							
	STD	00100	12.68	35.59	26.93		1502.2							
	005	00110	12.32	35.46	26.90		1501.0							
	STD	00114	11.44	35.26	26.91		1497.8							
	005	00118	11.24	35.19	26.90		1497.0							
	STD	00125	10.98	35.20	26.95	00.150	1496.2							
	005	00125	10.94	35.20	26.96		1496.1							
	STD	00137	10.70	35.22	27.02		1495.4							
	005	00140	11.22	35.33	27.01		1497.5							
	STD	00142	10.74	35.20	27.00		1495.6							
	005	00150	10.45	35.13	26.99	00.178	1494.6							
	STD	00150	10.44	35.13	27.00		1494.6							
	005	00156	10.36	35.17	27.04		1494.5							
	STD	00158	09.93	35.02	27.00		1492.7							
	005	00175	09.87	35.07	27.05		1492.9							
	STD	00200	09.29	34.98	27.08	00.232	1491.0							
	005	00201	09.25	34.98	27.08		1490.9							
	STD	00224	08.82	34.94	27.12		1489.6							
	005	00230	08.45	34.83	27.09		1488.2							
	STD	00241	08.03	34.78	27.12		1486.7							
	005	00247	08.23	34.85	27.14		1487.7							
	STD	00250	07.71	34.72	27.11	00.283	1485.6							
	005	00251	07.49	34.66	27.10		1484.6							
	STD	00268	07.26	34.69	27.16		1484.1							
	005	00272	07.60	34.78	27.18		1485.6							
	STD	00274	07.64	34.77	27.17		1485.8							
	005	00276	07.62	34.78	27.18		1485.8							
	STD	00287	07.58	34.84	27.17		1487.4							
	005	00293	07.57	34.79	27.19		1485.8							
	STD	00300	07.53	34.80	27.20	00.331	1485.8							
	005	00300	07.53	34.80	27.21		1485.8							
	STD	00312	07.98	34.89	27.21		1487.8							
	005	00317	08.11	34.95	27.24		1488.5							
	STD	00327	07.44	34.79	27.210*									
	005	00340	07.59	34.92	27.29		1486.8							
	STD	00346	07.96	34.99	27.29		1488.6							
	005	00354	07.96	34.96	27.27		1488.5							
	STD	00367	08.21	35.07	27.32		1489.8							
	005	00375	08.12	35.06	27.32		1489.6							
	STD	00380	07.65	34.98	27.32		1488.0							
	005	00395	07.08	34.93	27.37		1485.8							
	STD	00400	07.04	34.94	27.38	00.415	1485.7							
	005	00401	07.02	34.94	27.39		1485.7							
	STD	00443	06.60	34.93	27.44		1484.7							
	005	00449	06.26	34.85	27.42		1483.3							
	STD	00451	06.12	34.87	27.46		1482.8							
	005	00454	06.01	34.86	27.46		1482.4							
	STD	00460	06.45	34.99	27.50		1484.6							
	005	00468	06.28	34.94	27.49		1483.8							
	STD	00474	05.96	34.87	27.48		1482.5							
	005	00479	05.06	34.74	27.48		1478.8							
	STD	00481	04.88	34.71	27.48		1478.1							
	005	00489	03.95	34.64	27.53		1476.2							
	STD	00500	03.91	34.64	27.53	00.484	1476.2							
	005	00500	03.91	34.64	27.53		1476.2							
	STD	00519	05.13	34.92	27.59		1480.8							
	005	00527	05.02	34.86	27.58		1479.6							
	STD	00550	05.10	34.94	27.64		1480.4							
	005	00561	05.42	34.96	27.610*									
	STD	00600	04.92	34.92	27.64	00.541	1480.5							
	005	00601	04.92	34.92	27.64		1480.5							
	STD	00631	04.83	34.94	27.67		1481.0							
	005	00700	04.70	34.96	27.70	00.592	1481.3							
	STD	00700	04.70	34.96	27.70		1481.3							
	005	00751	04.61	34.97	27.72		1481.8							
	STD	00800	04.54	34.97	27.73	00.635	1482.3							
	005	00801	04.54	34.97	27.73		1482.3							
	STD	00850	04.40	34.96	27.73		1482.5							
	005	00900	04.22	34.95	27.74	00.685	1482.6							
	STD	00908	04.22	34.95	27.74		1482.6							
	005	00931	04.25	34.96	27.75		1483.6							
	STD	01000	04.21	34.96	27.75	00.731	1484.2							
	005	01010	04.20	34.96	27.75		1484.4							
	STD	01020	04.22	34.97	27.76		1484.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0454	YEAR 1975	BOTDP 02688	AIR TEMP 05.1	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306							
CONSEC 0004	MONTH 04	SHIP EV	MET BULB 03.0	30 0 3	WIND-SPD 00	TRACE DIR	5 SQUARE 2							
LA 43 03.8N	DAY 24	DATA USE 1	BAROMETR 1036.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28							
LONG 048 24.8W	MOOR 20.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRG 011 773 25	1 SQUARE 38							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.83	33.38	26.32	00.000	1472.2							
20.8	OBS	00001	05.83	33.38	26.32		1472.3							
	STD	00010	05.68	33.38	26.34	00.017	1471.8							
	OBS	00011	05.63	33.38	26.34		1471.6							
	OBS	00019	05.29	33.35	26.36		1470.3							
	STD	00020	05.12	33.37	26.39	00.034	1469.7							
	OBS	00020	04.95	33.37	26.41		1469.0							
	OBS	00024	03.97	33.24	26.41		1464.8							
	OBS	00026	03.77	33.31	26.49		1464.0							
	STD	00030	05.74	33.74	26.41	00.045	1472.9							
	OBS	00030	06.03	33.80	26.62		1474.1							
	OBS	00032	07.11	34.04	26.67		1478.8							
	OBS	00038	07.42	34.08	26.66		1480.1							
	OBS	00043	07.17	34.10	26.71		1479.2							
	OBS	00043	06.44	34.10	26.78		1477.2							
	OBS	00049	07.14	34.17	26.76		1479.4							
	STD	00050	07.31	34.22	26.78	00.077	1480.1							
	OBS	00051	07.49	34.34	26.82		1481.7							
	OBS	00064	07.38	34.41	26.92		1480.8							
	OBS	00066	07.58	34.48	26.95		1481.7							
	OBS	00068	08.01	34.57	26.95		1483.7							
	OBS	00072	08.31	34.65	26.97		1484.8							
	STD	00075	09.55	34.98	27.03	00.106	1489.6							
	OBS	00078	10.19	35.11	27.02		1492.5							
	OBS	00079	10.20	35.06	26.98		1492.5							
	OBS	00081	09.85	35.02	27.01		1491.2							
	OBS	00083	09.84	35.05	27.04		1491.2							
	OBS	00087	10.18	35.11	27.03		1492.6							
	OBS	00089	10.03	35.05	27.01		1492.0							
	OBS	00093	09.56	34.99	27.04		1490.3							
	OBS	00097	09.36	34.94	27.03		1489.6							
	STD	00100	08.78	34.75	26.98	00.133	1487.2							
	OBS	00100	08.55	34.72	26.99		1486.3							
	OBS	00102	07.98	34.70	27.06		1484.1							
	STD	00125	08.35	34.88	27.14	00.152	1486.1							
	OBS	00125	08.36	34.88	27.14		1486.2							
	OBS	00133	08.22	34.80	27.10		1485.7							
	OBS	00135	07.82	34.74	27.12		1484.1							
	STD	00150	06.75	34.62	27.18	00.182	1480.0							
	OBS	00150	06.73	34.62	27.18		1480.0							
	OBS	00154	06.42	34.58	27.19		1478.8							
	OBS	00165	06.34	34.57	27.19		1478.6							
	OBS	00165	06.05	34.50	27.17		1477.4							
	OBS	00175	06.47	34.64	27.23		1479.4							
	OBS	00178	06.47	34.67	27.25		1475.5							
	OBS	00184	03.53	34.24	27.25		1466.9							
	STD	00200	02.45	34.15	27.31	00.225	1462.4							
	OBS	00201	02.39	34.18	27.31		1462.2							
	OBS	00215	02.41	34.26	27.37		1462.6							
	OBS	00218	03.40	34.36	27.36		1467.1							
	OBS	00228	03.75	34.43	27.38		1468.8							
	OBS	00247	03.88	34.46	27.39		1469.7							
	STD	00250	03.62	34.43	27.39	00.262	1468.6							
	OBS	00257	02.83	34.36	27.41		1465.2							
	OBS	00262	02.10	34.32	27.44		1462.1							
	OBS	00270	01.51	34.32	27.46		1461.4							
	OBS	00276	02.01	34.34	27.46		1461.9							
	OBS	00291	02.39	34.44	27.51		1464.0							
	STD	00300	03.10	34.55	27.54	00.295	1467.4							
	OBS	00300	03.16	34.56	27.54		1467.6							
	OBS	00350	04.15	34.76	27.60		1472.9							
	OBS	00371	04.18	34.76	27.60		1473.4							
	OBS	00376	03.86	34.72	27.60		1472.1							
	STD	00400	04.21	34.80	27.63	00.345	1474.1							
	OBS	00401	04.24	34.81	27.63		1474.2							
	OBS	00451	05.11	34.97	27.66		1478.9							
	STD	00500	04.55	34.57	27.68	00.395	1479.0							
	OBS	00500	04.95	34.97	27.68		1479.0							
	OBS	00550	04.99	34.98	27.68		1480.0							
	STD	00600	04.82	34.98	27.70	00.447	1480.1							
	OBS	00603	04.81	34.98	27.70		1480.2							
	OBS	00652	04.67	34.98	27.72		1480.4							
	STD	00700	04.60	34.98	27.73	00.493	1480.9							
	OBS	00700	04.60	34.98	27.73		1480.9							
	OBS	00750	04.70	35.02	27.75		1482.2							
	STD	00800	04.65	35.01	27.75	00.538	1482.8							
	OBS	00803	04.64	35.01	27.75		1482.8							
	OBS	00850	04.33	34.98	27.76		1482.3							
	STD	00900	04.29	34.98	27.76	00.583	1482.9							
	OBS	00900	04.29	34.98	27.76		1482.9							
	OBS	00955	04.24	34.97	27.76		1483.6							
	STD	01000	04.08	34.96	27.77	00.627	1483.7							
	OBS	01001	04.08	34.96	27.77		1483.7							
	OBS	01018	04.04	34.95	27.76		1483.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATICA DATA

REFID 31	8454	YEAR 1975	BDTOP 02067	AIR TEMP 02.8	DIR PGT PER	WIND-DIR 28	INST STD RECORDER	TEM SQ 1304
CONSEC 0085	MONTH 04	SHIP EV	SWIP EV	NET BULB 01.9	31 1 2	WIND-SPD 02	TRACE DIR	5 SQUARE 2
LAT 43 18.2N	DAY 24	DATA USE 1	BAROMETR 1031.2	SEA	CL/TR	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 048 46 W	HOVR 23.4	AREA 05	CLOUD T/A			WEATHER X0	ORIG 011 774	1 SQUARE 38

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	STD	C0000	04.00	33.33	26.48	00.000	1466.6							
	OBS	00001	04.00	33.33	26.48		1466.6							
	OBS	00005	03.95	33.29	26.45 *		1464.4							
	OBS	00007	03.95	33.25	26.46		1462.9							
	STD	00010	03.44	33.30	26.51	00.015	1462.4							
	OBS	00011	03.39	33.33	26.54		1462.2							
	STD	00020	03.48	33.45	26.63	00.030	1462.9							
	OBS	00020	03.62	33.51	26.66		1463.6							
	OBS	00024	04.47	33.84	26.84		1467.7							
	OBS	00028	04.60	33.83	26.82		1468.3							
	STD	C0030	04.47	33.79	26.80	00.044	1467.7							
	OBS	00030	04.41	33.75	26.80		1467.5							
	OBS	00032	04.10	33.82	26.86		1466.2							
	OBS	00036	03.91	33.80	26.86		1465.5							
	OBS	00041	03.04	33.80	26.95		1461.8							
	OBS	00043	03.23	33.87	26.99		1462.8							
	OBS	00049	03.13	33.92	27.03		1462.5							
	STD	00050	03.23	33.94	27.04	00.066	1463.0							
	OBS	00051	03.41	33.98	27.06		1463.8							
	OBS	00055	03.20	33.90	27.01 *		1462.5							
	OBS	00068	03.40	33.96	27.04		1464.0							
	OBS	00072	02.61	33.85	27.02		1460.5							
	OBS	00074	02.41	33.83	27.02		1459.7							
	STD	00075	02.23	33.85	27.05	00.092	1458.9							
	OBS	00076	02.02	33.86	27.08		1458.0							
	OBS	00078	01.80	33.86	27.10		1457.1							
	OBS	00087	01.86	33.92	27.14		1457.6							
	OBS	00089	01.59	33.89	27.14		1456.4							
	OBS	00091	01.59	33.96	27.19		1456.5							
	OBS	00097	02.11	33.99	27.18		1459.0							
	OBS	00099	01.64	33.93	27.16		1456.8							
	STD	00100	01.60	33.93	27.17	00.116	1456.7							
	OBS	00102	01.51	33.94	27.18		1456.3							
	OBS	00106	01.42	33.98	27.20		1456.0							
	OBS	00114	01.50	34.00	27.23		1456.6							
	OBS	00116	01.84	34.12	27.30		1458.3							
	OBS	00118	02.43	34.20	27.32		1461.0							
	OBS	00123	02.69	34.20	27.30		1462.2							
	STD	00125	02.85	34.23	27.30	00.137	1463.0							
	OBS	00125	02.92	34.24	27.31		1463.3							
	OBS	00135	03.14	34.25	27.30		1464.4							
	STD	00150	02.79	34.26	27.33	00.157	1463.2							
	OBS	00150	02.79	34.26	27.34		1463.2							
	OBS	00156	02.84	34.34	27.35		1463.6							
	OBS	00175	04.00	34.52	27.43		1469.1							
	OBS	00180	04.35	34.61	27.46		1470.8							
	OBS	00182	04.71	34.66	27.46		1472.4							
	OBS	00188	05.01	34.67	27.43 *		1473.7							
	STD	00200	04.77	34.67	27.46	00.192	1472.9							
	OBS	00201	04.74	34.67	27.47		1472.8							
	OBS	00209	04.66	34.68	27.48		1472.6							
	OBS	00226	04.83	34.72	27.49		1473.7							
	STD	00250	04.63	34.75	27.54	00.223	1473.3							
	OBS	00251	04.63	34.75	27.54		1473.3							
	OBS	00276	04.67	34.77	27.55		1473.5							
	STD	C0300	04.33	34.77	27.59	00.251	1472.9							
	OBS	00300	04.32	34.77	27.59		1472.8							
	OBS	00350	04.63	34.86	27.63		1475.1							
	STD	00400	04.36	34.88	27.67	00.301	1474.8							
	OBS	00401	04.35	34.88	27.67		1474.8							
	OBS	00451	04.13	34.86	27.68		1474.6							
	STD	00500	04.37	34.91	27.70	00.348	1476.5							
	OBS	00500	04.37	34.91	27.70		1476.5							
	OBS	00550	04.29	34.93	27.72		1477.0							
	STD	00600	04.22	34.93	27.73	00.393	1477.6							
	OBS	00601	04.22	34.93	27.73		1477.6							
	OBS	00651	04.22	34.93	27.73		1478.4							
	STD	00700	04.11	34.92	27.73	00.437	1478.8							
	OBS	00700	04.11	34.92	27.73		1478.8							
	OBS	00750	03.98	34.91	27.74		1479.0							
	OBS	00761	04.06	34.93	27.75		1479.6							
	OBS	00763	04.08	34.93	27.74		1479.7							
	OBS	00765	04.06	34.93	27.75		1479.7							
	STD	C0800	04.09	34.94	27.75	00.481	1480.4							
	OBS	00801	04.09	34.94	27.75		1480.4							
	OBS	00850	04.01	34.92	27.74		1480.5							
	STD	00900	03.93	34.93	27.76	00.524	1481.4							
	OBS	00900	03.93	34.93	27.76		1481.4							
	OBS	00951	03.90	34.93	27.76		1482.1							
	STD	01000	03.88	34.93	27.76	00.568	1482.8							
	OBS	01001	03.88	34.93	27.76		1482.8							
	OBS	01020	03.87	34.93	27.77		1483.1							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

PFID 31 8454 YEAR 1975 BOTOP 01833 AIR TEMP 00.9 DIR PGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1300
 CONSEC 0086 MONTH 04 SHIP EV WET BULB 00.5 00 0 X WIND-SPD 00 TRACE DIR 0 5 SQUARE 2
 LAT 43 21.7N DAY 25 DATA USE 1 BAROMETR 1038.3 SEA WIND-FOR 00 DURATION 00.5 2 SQUARE 28
 LONG 049 03 W HOUR 02.3 AREA 05 CLCUD T/A CL/TR WEATHER X0 DRIG 011 775 1 SQUARE 39

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.3	STD	00000	00.43	32.83	26.36	00.000	1448.2							
	OBS	00001	00.43	32.83	26.36		1448.3							
	OBS	00003	00.17	32.87	26.40		1447.2							
	STD	00010	00.02	32.88	26.42	00.016	1446.6							
	OBS	00011	- 0.01	32.88	26.42		1446.5							
	STD	00020	- 0.18	32.90	26.44	00.033	1445.9							
	OBS	00020	- 0.20	32.90	26.44		1445.8							
	STD	00030	- 0.49	32.91	26.46	00.048	1444.6							
	OBS	00030	- 0.50	32.91	26.46		1444.6							
	STD	00050	- 0.66	32.98	26.53	00.075	1444.2							
	OBS	00051	- 0.71	32.99	26.54		1444.1							
	OBS	00053	- 0.78	32.96	26.52		1443.7							
	OBS	00055	- 1.06	33.18	26.70		1442.8							
	STD	00075	- 1.04	33.22	26.73	00.115	1443.2							
	OBS	00084	- 1.03	33.24	26.75		1443.5							
	OBS	00087	- 1.24	33.36	26.85		1442.7							
	STD	00100	- 0.79	33.45	26.91	00.145	1445.1							
	OBS	00100	- 0.76	33.46	26.92		1445.3							
	STD	00125	00.19	33.67	27.05	00.172	1450.4							
	OBS	00125	00.20	33.68	27.05		1450.4							
	OBS	00133	00.26	33.76	27.11		1451.0							
	OBS	00144	00.26	33.88	27.21		1451.3							
	OBS	00148	00.57	33.92	27.23		1452.8							
	STD	00150	00.65	33.98	27.27	00.195	1453.3							
	OBS	00150	00.67	33.99	27.28		1453.4							
	OBS	00175	01.21	34.12	27.35		1456.4							
	STD	00200	01.26	34.21	27.42	00.233	1457.2							
	OBS	00201	01.26	34.22	27.42		1457.2							
	OBS	00209	01.64	34.25	27.42		1459.1							
	OBS	00217	02.21	34.33	27.44		1461.8							
	OBS	00228	01.57	34.31	27.47		1459.2							
	STD	00250	01.67	34.37	27.51	00.264	1460.1							
	OBS	00251	01.68	34.37	27.51		1460.1							
	OBS	00268	01.80	34.40	27.53		1461.0							
	OBS	00270	01.50	34.41	27.56		1459.7							
	OBS	00272	01.82	34.42	27.54		1461.2							
	OBS	00276	01.82	34.41	27.53		1461.2							
	STD	00300	01.87	34.44	27.55	00.293	1461.9							
	OBS	00300	01.87	34.44	27.56		1461.9							
	OBS	00323	01.87	34.48	27.59		1462.3							
	OBS	00329	02.32	34.55	27.61		1464.5							
	OBS	00350	02.61	34.61	27.63		1466.2							
	OBS	00352	02.70	34.62	27.63		1466.6							
	OBS	00357	02.90	34.63	27.62		1467.6							
	OBS	00356	03.13	34.68	27.64		1468.7							
	OBS	00367	03.55	34.77	27.63		1472.4							
	STD	00400	04.07	34.86	27.69	00.343	1473.5							
	OBS	00401	04.08	34.86	27.69		1473.6							
	OBS	00453	04.69	34.95	27.69		1477.1							
	STD	00500	04.66	34.94	27.69	00.390	1477.8							
	OBS	00500	04.65	34.94	27.69		1477.7							
	OBS	00506	04.50	34.91	27.68		1477.2							
	OBS	00550	04.36	34.94	27.72		1477.4							
	STD	00600	04.27	34.92	27.72	00.436	1477.8							
	OBS	00601	04.27	34.92	27.72		1477.8							
	OBS	00651	04.04	34.89	27.72		1477.6							
	STD	00700	03.95	34.91	27.74	00.480	1478.1							
	OBS	00700	03.95	34.91	27.74		1478.1							
	OBS	00751	04.13	34.94	27.75		1479.7							
	STD	00800	04.06	34.93	27.75	00.523	1480.2							
	OBS	00801	04.06	34.93	27.75		1480.3							
	OBS	00835	03.95	34.92	27.75		1480.4							
	OBS	00837	03.95	34.92	27.75		1480.4							
	OBS	00839	03.93	34.92	27.75		1480.3							
	OBS	00852	03.94	34.92	27.75		1480.6							
	STD	00900	03.57	34.88	27.76	00.567	1479.8							
	OBS	00900	03.57	34.88	27.76		1479.8							
	OBS	00951	03.59	34.88	27.75		1480.7							
	STD	01000	03.56	34.87	27.75	00.610	1481.4							
	OBS	01003	03.56	34.87	27.75		1481.4							
	OBS	01018	03.57	34.88	27.76		1481.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0454 YEAR 1975 BCTDP 00366 AIR TEMP 00.3 DIR MGT PER WIND-DIR 00 INST STD RECORDER TEN SW 1306
 CONSEC 0387 MONTH 04 SHIP EV WET BULB 00.1 00 C X WIND-SPD 00 TRACE DIR 0 5 SQUARE 2
 LAT 43 33 N DAY 25 DATA USE 1 BAROMETER 1035.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 049 18.2W HOUR 05.2 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRG G11 TT6 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.2	STD	00000	00.28	32.92	26.44	00.000	1447.7							
	OBS	00001	00.28	32.92	26.44		1447.7							
	STD	00010	00.19	32.91	26.43	00.016	1447.4							
	OBS	00011	00.16	32.91	26.44		1447.3							
	STD	00020	-0.10	32.91	26.45	00.032	1446.3							
	OBS	00020	-0.12	32.91	26.45		1446.2							
	STD	00030	-0.20	32.91	26.45	00.046	1446.0							
	OBS	00030	-0.26	32.92	26.46		1445.7							
	OBS	00032	-0.33	32.95	26.50		1444.5							
	OBS	00040	-0.71	33.00	26.54		1443.9							
	STD	00050	-1.10	33.12	26.65	00.078	1442.4							
	OBS	00051	-1.14	33.13	26.66		1442.2							
	STD	00075	-1.21	33.19	26.71	00.112	1442.4							
	OBS	00076	-1.21	33.19	26.72		1442.4							
	STD	00100	-1.30	33.23	26.75	00.145	1442.5							
	OBS	00100	-1.30	33.23	26.75		1442.5							
	OBS	00106	-1.33	33.25	26.77		1442.4							
	STD	00125	-1.32	33.29	26.80	00.177	1442.8							
	OBS	00125	-1.32	33.29	26.80		1442.9							
	STD	00150	-1.26	33.36	26.85	00.207	1443.6							
	OBS	00150	-1.26	33.36	26.85		1443.6							
	OBS	00175	-1.15	33.41	26.89		1444.6							
	STD	00200	-1.01	33.47	26.94	00.265	1445.6							
	OBS	00201	-0.98	33.48	26.94		1446.0							
	OBS	00215	-0.71	33.52	26.96		1447.5							
	OBS	00226	-0.06	33.68	27.07		1450.9							
	STD	00250	00.43	33.81	27.14	00.316	1453.7							
	OBS	00251	00.45	33.81	27.14		1453.8							
	OBS	00277	00.48	33.84	27.17		1454.5							
	OBS	00279	00.60	34.03	27.31		1455.3							
	OBS	00283	00.98	34.12	27.36		1457.2							
	OBS	00287	01.41	34.20	27.40		1456.3							
	STD	00300	01.70	34.27	27.43	00.356	1460.9							
	OBS	00300	01.71	34.27	27.43		1460.9							
	OBS	00304	01.76	34.27	27.43		1461.2							
	OBS	00308	01.78	34.30	27.45		1461.4							
	OBS	00310	01.88	34.31	27.45		1461.9							
	OBS	00342	02.21	34.41	27.50		1464.0							

REFID 31 0454 YEAR 1975 BCTDP 00120 AIR TEMP 00.9 DIR MGT PER WIND-DIR 00 INST STD RECORDER TEN SW 1306
 CONSEC 0088 MONTH 04 SHIP EV WET BULB 00.5 00 C X WIND-SPD 00 TRACE DIR 0 5 SQUARE 2
 LAT 43 33 N DAY 25 DATA USE 1 BAROMETER 1036.5 SEA WIND-FOR DURATION 00.0 2 SQUARE 28
 LONG 049 21 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRG G11 T77 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	STD	00000	01.42	32.91	26.36	00.000	1452.8							
	OBS	00001	01.42	32.91	26.36		1452.9							
	OBS	00003	01.42	32.90	26.35		1452.5							
	STD	00010	00.95	32.89	26.37	00.017	1450.9							
	OBS	00011	00.89	32.88	26.37		1450.6							
	OBS	00013	00.83	32.87	26.37		1450.3							
	STD	00020	00.42	32.94	26.44	00.033	1448.7							
	OBS	00020	00.36	32.94	26.45		1448.4							
	OBS	00024	00.10	32.95	26.47		1447.3							
	STD	00030	00.04	32.99	26.50	00.045	1447.2							
	OBS	00030	00.03	32.99	26.51		1447.1							
	STD	00050	-0.32	33.04	26.56	00.079	1445.9							
	OBS	00051	-0.35	33.04	26.56		1445.8							
	OBS	00053	-0.34	33.03	26.55		1445.9							
	OBS	00055	-0.38	33.04	26.56		1445.8							
	OBS	00059	-0.56	33.05	26.58		1445.0							
	STD	00075	-0.92	33.14	26.67	00.115	1443.7							
	OBS	00076	-0.94	33.15	26.67		1443.6							
	STD	00100	-1.12	33.30	26.80	00.147	1443.4							
	OBS	00100	-1.12	33.31	26.81		1443.4							
	OBS	00108	-1.15	33.38	26.87		1443.5							
	OBS	00112	-1.10	33.42	26.90		1443.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA

REFIC 31 8434 YEAR 1975 BOTOP 00055 AIR TEMP 01.4 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1306
 CONSEC 0005 MONTH 04 SHIP EV WET BULB 00.9 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 2
 LAT 43 36 N DAY 23 DATA USE 1 BARCHMETR 1031.9 SEA CL/TR WIND-FOR DURATION 00.0 2 SQUARE 28
 LONG 049 30 W HOUR 06.9 AREA 05 CLOUD T/A WEATHER X0 ORIG 011 778 1 SQUARE 39

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.9	STD	00000	01.75	32.84	26.28	00.000	1454.2							
	OBS	00001	01.75	32.84	26.28		1454.2							
	OBS	00003	01.75	32.84	26.28		1454.3							
	STD	00010	01.75	32.84	26.28	00.017	1454.4							
	OBS	00011	01.75	32.84	26.28		1454.4							
	OBS	00013	01.69	32.81	26.26		1454.1							
	STD	00020	01.40	32.85	26.31	00.035	1453.0							
	OBS	00020	01.31	32.86	26.33		1452.6							
	OBS	00022	01.08	32.89	26.37		1451.6							
	STD	00030	00.64	32.90	26.45	00.051	1449.9							
	OBS	00030	00.60	32.97	26.46		1449.7							
	OBS	00034	00.29	33.01	26.51		1448.4							
	OBS	00040	00.16	33.02	26.52		1447.9							
	OBS	00049	- 0.01	33.06	26.56		1447.4							
	STD	00050	- 0.00	33.06	26.56	00.082	1447.4							
	OBS	00051	00.01	33.06	26.56		1447.5							
	OBS	00055	00.01	33.06	26.56		1447.6							

REFIC 31 8434 YEAR 1975 BOTOP 00060 AIR TEMP 01.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1306
 CONSEC 0390 MONTH 04 SHIP EV WET BULB 00.9 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 2
 LAT 43 43 N DAY 23 DATA USE 1 BARCHMETR 1030.8 SEA CL/TR WIND-FOR DURATION 00.0 2 SQUARE 28
 LONG 049 33 W HOUR 07.9 AREA 05 CLOUD T/A WEATHER X0 ORIG 011 779 1 SQUARE 39

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.9	STD	00000	01.98	32.72	26.17	00.000	1455.1							
	OBS	00001	01.98	32.72	26.17		1455.1							
	OBS	00003	01.96	32.71	26.17		1455.0							
	STD	00010	01.90	32.76	26.21	00.018	1454.9							
	OBS	00011	01.89	32.78	26.23		1454.6							
	OBS	00013	01.49	32.82	26.29		1453.2							
	STD	00020	00.96	32.83	26.41	00.036	1451.1							
	OBS	00020	00.90	32.94	26.42		1450.9							
	STD	00030	00.52	32.97	26.46	00.052	1449.3							
	OBS	00030	00.51	32.97	26.47		1449.3							
	OBS	00038	00.46	32.97	26.47		1449.2							
	OBS	00049	00.46	32.97	26.47		1449.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8443 YEAR 1975 BOTOP 00259 AIR TEMP 03.8 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1306
 CONSEC 0001 MONTH 05 SHIP EV WET BULB 02.7 33 3 4 WIND-SPD 23 TRACE DIR 0 5 SQUARE 2
 LAT 43 49.04 DAY 26 DATA USE 1 BAROMETER 1012.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 26
 LONG 049 12.04 HOUR 05.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRIG 011 780 1 SQUARE 39

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.0	STD	00000	00.52	32.86	26.38	00.000	1448.7							
	OBS	00003	00.52	32.86	26.38		1448.8							
	STD	00010	00.53	32.86	26.38	00.017	1448.9							
	OBS	00011	00.53	32.86	26.38		1448.9							
	OBS	00015	00.54	32.85	26.37		1449.0							
	STD	00020	00.53	32.86	26.37	00.033	1449.1							
	OBS	00020	00.53	32.86	26.38		1449.1							
	STD	00030	00.51	32.86	26.38	00.050	1449.2							
	OBS	00030	00.51	32.86	26.38		1449.2							
	STD	00050	00.23	32.87	26.40	00.083	1448.2							
	OBS	00051	00.13	32.88	26.41		1447.8							
	OBS	00064	-1.35	33.08	26.63		1441.4							
	OBS	00068	-0.66	33.17	26.68		1444.8							
	STD	00075	-0.71	33.17	26.68	00.120	1444.7							
	OBS	00076	-0.72	33.17	26.68		1444.7							
	STD	00100	-1.05	33.17	26.69	00.154	1443.5							
	OBS	00100	-1.06	33.17	26.69		1443.5							
	STD	00125	-0.65	33.23	26.73	00.188	1445.9							
	OBS	00125	-0.65	33.23	26.73		1445.9							
	STD	00150	-0.68	33.28	26.77	00.220	1446.2							
	OBS	00150	-0.68	33.28	26.77		1446.2							
	OBS	00175	-1.06	33.29	26.79		1444.9							
	STD	00200	-0.64	33.45	26.90	00.281	1447.5							
	OBS	00201	-0.61	33.46	26.91		1447.7							
	OBS	00230	-0.30	33.62	27.03		1449.8							
	OBS	00237	00.11	33.69	27.07		1451.9							
	OBS	00247	00.18	33.73	27.09		1452.4							

REFID 31 8443 YEAR 1975 BOTOP 00259 AIR TEMP 00.9 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306
 CONSEC 0002 MONTH 05 SHIP EV WET BULB 00.4 29 3 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2
 LAT 43 47.54 DAY 26 DATA USE 1 BAROMETER 1014.9 SEA WIND-FOR DURATION 00.2 2 SQUARE 28
 LONG 049 06.04 HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRIG 011 781 1 SQUARE 39

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.5	STD	00000	00.77	32.90	26.35	00.000	1449.9							
	OBS	00001	00.77	32.90	26.35		1449.5							
	STD	00010	00.81	32.90	26.39	00.016	1450.2							
	OBS	00011	00.81	32.90	26.39		1450.3							
	STD	00020	00.81	32.90	26.39	00.033	1450.4							
	OBS	00020	00.81	32.90	26.39		1450.4							
	STD	00030	00.82	32.90	26.39	00.046	1450.6							
	OBS	00034	00.82	32.90	26.39		1450.7							
	STD	00050	00.76	32.90	26.40	00.082	1450.7							
	OBS	00051	00.74	32.90	26.40		1450.6							
	OBS	00055	00.68	32.87	26.38		1450.3							
	OBS	00068	00.41	32.90	26.41		1449.4							
	OBS	00072	00.18	32.90	26.43		1448.4							
	STD	00075	00.17	32.91	26.43	00.123	1448.4							
	OBS	00078	00.15	32.93	26.45		1448.4							
	OBS	00087	-0.81	33.07	26.61		1444.3							
	OBS	00091	-0.75	33.20	26.71		1444.8							
	OBS	00097	-1.07	33.21	26.73		1443.4							
	STD	00100	-1.13	33.25	26.76	00.159	1443.3							
	OBS	00102	-1.17	33.29	26.76		1443.2							
	STD	00125	-0.96	33.38	26.86	00.190	1444.7							
	OBS	00125	-0.95	33.38	26.86		1444.7							
	OBS	00146	-0.76	33.46	26.92		1446.1							
	STD	00150	-0.63	33.48	26.93	00.219	1446.7							
	OBS	00154	-0.49	33.52	26.96		1447.5							
	OBS	00169	-0.06	33.75	27.12		1450.1							
	OBS	00175	00.20	33.74	27.10		1451.3							
	STD	00200	00.33	33.79	27.13	00.270	1452.4							
	OBS	00203	00.36	33.80	27.14		1452.6							
	OBS	00226	00.60	33.89	27.20		1454.2							
	STD	00250	00.76	33.95	27.24	00.315	1455.4							
	OBS	00255	00.79	33.96	27.24		1455.6							
	OBS	00274	00.89	34.00	27.27		1456.5							
	OBS	00279	01.25	34.21	27.41		1458.6							
	OBS	00287	01.61	34.23	27.41		1460.2							
	STD	00300	01.65	34.26	27.43	00.353	1460.7							
	OBS	00300	01.66	34.28	27.43		1460.7							
	OBS	00350	02.49	34.50	27.55		1463.5							
	STD	00400	02.77	34.60	27.61	00.412	1467.6							
	OBS	00401	02.77	34.60	27.61		1467.7							
	OBS	00453	02.79	34.60	27.61		1468.6							
	STD	00500	03.17	34.70	27.65	00.463	1471.2							
	OBS	00502	03.19	34.70	27.65		1471.3							
	OBS	00550	03.40	34.75	27.67		1473.1							
	STD	00600	03.50	34.79	27.69	00.511	1474.4							
	OBS	00605	03.51	34.79	27.69		1474.5							
	OBS	00651	03.51	34.80	27.70		1475.3							
	STD	00700	03.53	34.80	27.70	00.557	1476.2							
	OBS	00704	03.53	34.80	27.70		1476.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
STFID 31 0463	YEAR 1975	BOTOP 01507	AIR TEMP 01.0	DIR MGT PER	WIND-DIR 33	INST STC RECORDER	TEN 50 1306							
CONSEC 0003	MONTH 05	SHIP EV	WET BULB 00.1	34 5 5	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2							
LA* 43 49.2N	DAY 26	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION	2 SQUARE 28							
LONG 046 53.5W	HOUR 08.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 782 10	1 SQUARE 38							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	QRYG	PO4	TOT P	NO2	NO3	SIG3	PH
STD 00000		01.23	33.06	26.50	00.000	1452.2								
OBS 00003		01.23	33.06	26.50		1452.2								
STD 00010		01.22	33.07	26.50	00.015	1452.3								
OBS 00011		01.22	33.07	26.50		1452.3								
STD 00020		01.23	33.07	26.50	00.031	1452.5								
OBS 00020		01.23	33.07	26.50		1452.5								
STD 00030		01.25	33.08	26.51	00.046	1452.8								
OBS 00030		01.25	33.08	26.51		1452.8								
OBS 00034		01.25	33.08	26.51		1452.5								
OBS 00036		01.16	33.12	26.55		1452.5								
OBS 00038		00.99	33.17	26.60		1451.6								
OBS 00040		00.91	33.22	26.64		1451.6								
OBS 00041		00.92	33.30	26.71		1451.8								
OBS 00045		00.12	33.27	26.73		1448.2								
OBS 00049		- 0.16	33.37	26.82		1447.1								
STD 00050		00.07	33.38	26.82	00.074	1448.2								
OBS 00051		00.63	33.40	26.80		1450.8								
OBS 00055		01.39	33.45	26.83		1454.4								
OBS 00057		01.31	33.42	26.78		1454.0								
OBS 00059		00.64	33.32	26.74		1450.9								
OBS 00060		- 0.50	33.41	26.87		1445.8								
OBS 00062		00.02	33.44	26.87		1448.3								
OBS 00066		00.80	33.56	26.92		1452.0								
OBS 00068		01.05	33.55	26.90		1453.2								
OBS 00070		01.10	33.52	26.87		1453.4								
OBS 00074		00.79	33.47	26.85		1452.0								
STD 00075		00.75	33.49	26.87	00.104	1451.9								
OBS 00076		00.70	33.51	26.86		1451.7								
OBS 00078		00.61	33.51	26.89		1451.3								
OBS 00087		- 0.32	33.47	26.91		1447.1								
OBS 00091		- 0.58	33.47	26.92		1446.0								
OBS 00095		- 0.65	33.51	26.95		1445.8								
STD 00100		- 0.58	33.66	27.06	00.132	1446.4								
OBS 00100		- 0.52	33.65	27.06		1446.7								
OBS 00104		- 0.14	33.64	27.04		1448.5								
STD 00125		00.42	33.84	27.17	00.156	1451.7								
OBS 00125		00.45	33.85	27.18		1451.8								
OBS 00126		00.63	33.91	27.21		1452.8								
OBS 00140		01.36	34.16	27.37		1456.6								
STD 00150		01.47	34.16	27.36	00.176	1457.2								
OBS 00150		01.47	34.16	27.36		1457.2								
OBS 00155		01.47	34.26	27.44		1457.5								
OBS 00173		02.47	34.39	27.47		1462.3								
OBS 00177		02.72	34.42	27.47		1463.5								
OBS 00184		02.90	34.45	27.48		1464.5								
OBS 00188		03.17	34.51	27.50		1465.8								
STD 00200		03.40	34.54	27.51	00.209	1467.0								
OBS 00201		03.42	34.59	27.51		1467.1								
OBS 00230		03.44	34.61	27.55		1467.8								
STD 00250		03.45	34.62	27.56	00.238	1468.1								
OBS 00253		03.45	34.62	27.56		1468.2								
OBS 00264		03.58	34.62	27.55		1468.9								
OBS 00266		03.50	34.64	27.57		1468.6								
OBS 00274		03.17	34.62	27.59		1467.3								
OBS 00276		03.11	34.61	27.59		1467.1								
OBS 00279		03.15	34.64	27.61		1467.4								
OBS 00283		03.01	34.60	27.59		1466.8								
OBS 00289		02.59	34.58	27.61		1465.0								
STD 00300		02.34	34.57	27.62	00.265	1464.1								
OBS 00300		02.33	34.57	27.62		1464.1								
OBS 00354		02.73	34.65	27.65		1466.8								
STD 00400		03.41	34.77	27.69	00.312	1470.6								
OBS 00401		03.42	34.78	27.69		1470.7								
OBS 00407		03.45	34.80	27.70		1471.0								
OBS 00415		03.69	34.81	27.65		1472.1								
OBS 00454		03.94	34.87	27.71		1473.4								
STD 00500		03.92	34.88	27.72	00.356	1474.6								
OBS 00500		03.92	34.88	27.72		1474.6								
OBS 00552		03.81	34.88	27.73		1475.0								
STD 00600		03.60	34.86	27.74	00.398	1474.9								
OBS 00601		03.60	34.86	27.74		1474.9								
OBS 00652		03.54	34.85	27.74		1475.5								
STD 00700		03.49	34.85	27.74	00.441	1476.1								
OBS 00702		03.49	34.85	27.74		1476.1								
OBS 00751		03.49	34.85	27.74		1476.9								
STD 00800		03.45	34.85	27.74	00.483	1477.6								
OBS 00807		03.45	34.85	27.74		1477.7								
OBS 00852		03.44	34.85	27.75		1478.4								
STD 00900		03.44	34.85	27.75	00.527	1479.2								
OBS 00902		03.44	34.85	27.75		1479.2								
OBS 00953		03.44	34.85	27.75		1480.1								
STD 01000		03.42	34.85	27.75	00.570	1480.8								
OBS 01003		03.42	34.85	27.75		1480.8								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31	0443	YEAR 1975	BOATP 00938	AIR TEMP 01.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1304
CONSEC 0804	MONTH 05	SHIP EV	WET BULB 00.9	33 4 5	WIND-SPD 18	TRACE DIR	0	5 SQUARE 2
LAT 43 50.4N	DAY 24	DATA USE 1	BAROMETER 1015.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28	
LONG 048 39.4W	MOOR 10.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIP 011 783 09	1 SQUARE 36	

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMPH	SND VEL	ORVG	PD4	TGT P	NO2	NO3	SIO3	PH
10.7	STD	00000	04.03	33.53	26.64	00.000	1465.0							
	OBS	00003	04.03	33.53	26.64		1465.1							
	STD	00010	04.03	33.53	26.64	00.014	1465.2							
	OBS	00011	04.03	33.53	26.64		1465.2							
	STD	00020	04.02	33.53	26.64	00.028	1465.3							
	OBS	00020	04.02	33.53	26.64		1465.3							
	STD	00030	04.03	33.53	26.64	00.042	1465.5							
	OBS	00030	04.03	33.53	26.64		1465.5							
	STD	00050	03.98	33.53	26.64	00.071	1465.6							
	OBS	00051	03.98	33.54	26.65		1465.7							
	OBS	00055	03.45	33.57	26.71		1466.4							
	STD	00075	03.07	33.88	27.01	00.102	1462.6							
	OBS	00076	03.04	33.90	27.03		1462.5							
	OBS	00087	02.82	34.11	27.21		1462.1							
	OBS	00095	02.44	34.11	27.25		1460.5							
	OBS	00099	02.29	34.20	27.33		1460.1							
	STD	00100	02.32	34.22	27.34	00.124	1460.2							
	OBS	00100	02.35	34.23	27.35		1460.4							
	OBS	00108	02.54	34.28	27.37		1461.4							
	OBS	00112	02.34	34.25	27.36		1460.7							
	OBS	00114	02.37	34.30	27.40		1460.8							
	OBS	00119	03.10	34.44	27.45		1464.2							
	STD	00125	03.19	34.44	27.44	00.142	1464.7							
	OBS	00127	03.20	34.44	27.44		1464.8							
	OBS	00135	03.13	34.48	27.48		1464.7							
	STD	00150	03.48	34.54	27.49	00.158	1466.5							
	OBS	00150	03.49	34.54	27.49		1466.6							
	OBS	00156	03.38	34.50	27.47		1466.1							
	OBS	00161	03.04	34.53	27.53		1464.6							
	OBS	00167	03.46	34.56	27.51		1466.7							
	OBS	00175	03.40	34.58	27.51		1467.5							
	STD	00200	04.00	34.69	27.56	00.187	1469.7							
	OBS	00203	04.01	34.70	27.57		1466.8							
	OBS	00228	03.77	34.70	27.59		1469.2							
	STD	00250	03.72	34.73	27.62	00.213	1469.4							
	OBS	00253	03.71	34.74	27.63		1469.5							
	OBS	00277	03.95	34.81	27.66		1471.0							
	OBS	00291	04.33	34.88	27.68		1472.9							
	STD	00300	04.40	34.89	27.68	00.237	1473.3							
	OBS	00303	04.40	34.89	27.68		1473.3							
	OBS	00302	04.40	34.89	27.68		1473.4							
	OBS	00308	04.21	34.87	27.68		1472.6							
	OBS	00350	04.58	34.94	27.70		1475.0							
	STD	00400	04.44	34.94	27.71	00.262	1475.2							
	OBS	00403	04.44	34.94	27.71		1475.3							
	OBS	00454	04.46	34.95	27.72		1476.2							
	STD	00500	04.31	34.94	27.73	00.325	1476.3							
	OBS	00500	04.31	34.94	27.73		1476.3							
	OBS	00552	04.19	34.94	27.74		1476.7							
	STD	00600	04.03	34.92	27.74	00.368	1476.8							
	OBS	00601	04.03	34.92	27.74		1476.8							
	OBS	00651	03.87	34.88	27.73		1476.9							
	STD	00700	03.81	34.91	27.76	00.410	1477.5							
	OBS	00700	03.81	34.91	27.76		1477.5							
	OBS	00751	03.79	34.90	27.75		1478.3							
	STD	00800	03.71	34.90	27.76	00.451	1478.7							
	OBS	00801	03.71	34.90	27.76		1478.7							
	OBS	00850	03.69	34.90	27.76		1479.5							
	STD	00900	03.64	34.90	27.76	00.494	1480.1							
	OBS	00902	03.64	34.90	27.77		1480.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NDDC STATION DATA															
REFID 31 8463	YEAR 1975	BOTOP 03109	AIR TEMP 03.5	DIR AGT PER	WIND-DIR 31	INST STD RECORDER	TEN SO 1906								
CONSEC 0005	MONTH 05	SHIP EV	MET SULS 01.5	30 3 4	WIND-SPD 20	TRACE DIR	5 SQUARE 2								
LAT 43 51.8N	DAY 24	DATA USE 1	BAROMETER 1015.2	SEA	WIND-FOR	DURATICA 00.4	2 SQUARE 28								
LONG 048 24.8W	MOOR 12.6	AREA 05	CLCUD T/A	CL/TP	WEATHER X2	ORIG 011 784 08	1 SQUARE 38								
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND VEL	DRYG	PD4	TOT P	NO2	NO3	SIO3	PH	
	STD	C0000	03.58	33.44	26.61	00.000	1463.0								
12.6	OBS	00005	03.58	33.44	26.61		1463.1								
	STD	00010	03.58	33.44	26.61	00.014	1463.1								
	OBS	00011	03.58	33.44	26.61		1463.2								
	STD	00020	03.58	33.44	26.61	00.029	1463.3								
	OBS	00020	03.58	33.44	26.61		1463.3								
	STD	00030	03.59	33.44	26.61	00.043	1463.5								
	OBS	00030	03.59	33.44	26.61		1463.5								
	OBS	00038	03.60	33.47	26.63		1463.7								
	OBS	00040	03.74	33.46	26.61		1464.3								
	OBS	00043	03.86	33.58	26.69		1465.1								
	OBS	00045	02.92	33.53	26.74		1461.0								
	OBS	00049	03.02	33.58	26.77		1461.6								
	STD	00050	02.98	33.60	26.79	00.070	1461.4								
	OBS	00051	02.89	33.64	26.83		1461.1								
	OBS	00060	02.99	33.80	26.95		1461.9								
	OBS	00064	02.44	33.96	27.13		1459.8								
	OBS	00068	02.12	34.05	27.22		1458.6								
	OBS	00074	02.76	34.22	27.31		1461.7								
	STD	00075	02.76	34.20	27.25	00.096	1461.7								
	OBS	00076	02.76	34.19	27.28		1461.7								
	OBS	00081	02.56	34.31	27.39		1461.2								
	OBS	00085	02.82	34.32	27.38		1462.3								
	OBS	00087	02.83	34.30	27.36		1462.4								
	OBS	00093	03.06	34.38	27.41		1463.6								
	STD	00100	02.92	34.40	27.43	00.114	1463.1								
	OBS	00100	02.92	34.40	27.44		1463.1								
	OBS	00106	02.97	34.40	27.43		1463.4								
	OBS	00116	03.56	34.54	27.49		1466.3								
	OBS	00119	03.56	34.55	27.49		1466.4								
	STD	00125	03.77	34.64	27.54	00.130	1467.5								
	OBS	00125	03.79	34.64	27.54		1467.6								
	OBS	00131	03.87	34.62	27.52		1468.0								
	STD	00150	03.83	34.66	27.55	00.144	1468.2								
	OBS	00150	03.83	34.66	27.56		1468.2								
	OBS	00169	03.77	34.68	27.58		1468.2								
	OBS	00175	03.88	34.72	27.60		1468.5								
	STD	00200	03.95	34.77	27.63	00.170	1469.6								
	OBS	00203	03.67	34.77	27.63		1469.8								
	OBS	00226	04.10	34.79	27.63		1470.7								
	STD	00250	04.28	34.83	27.65	00.194	1471.9								
	OBS	00255	04.30	34.84	27.65		1472.1								
	OBS	00276	04.33	34.86	27.66		1472.6								
	STD	00300	04.30	34.88	27.68	00.218	1472.9								
	OBS	00300	04.30	34.88	27.68		1472.9								
	OBS	00352	04.49	34.94	27.71		1474.6								
	STD	00400	04.46	34.97	27.73	00.261	1475.3								
	OBS	00401	04.46	34.97	27.73		1475.4								
	OBS	00451	04.28	34.94	27.73		1475.4								
	STD	00500	04.17	34.94	27.74	00.303	1475.7								
	OBS	00500	04.17	34.94	27.74		1475.7								
	OBS	00550	04.01	34.92	27.74		1475.9								
	STD	00600	03.90	34.91	27.75	00.344	1476.2								
	OBS	00601	03.90	34.91	27.75		1476.2								
	OBS	00651	03.78	34.90	27.75		1476.5								
	STD	00700	03.74	34.90	27.75	00.386	1477.2								
	OBS	00702	03.74	34.90	27.76		1477.2								
	OBS	00750	03.79	34.91	27.76		1478.2								
	STD	00800	03.81	34.92	27.76	00.427	1479.2								
	OBS	00803	03.81	34.92	27.76		1479.2								
	OBS	00850	03.65	34.90	27.76		1479.3								
	STD	00900	03.76	34.92	27.77	00.469	1480.6								
	OBS	00900	03.76	34.92	27.77		1480.6								
	OBS	00951	03.65	34.90	27.76		1481.0								
	STD	01000	03.60	34.89	27.76	00.512	1481.6								
	OBS	01003	03.60	34.89	27.76		1481.6								
	OBS	01048	03.54	34.89	27.77		1482.1								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA														
REFID 31 8463	YEAR 1975	BOTDP 03460	AIR TEMP 03.2	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN 50 1306							
CONSEC 0006	MONTH 05	SHIP EV	WET BULB 01.4	25 2 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2							
LAT 43 50.6N	DAY 26	DATA USE 1	BAROMETER 1016.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28							
LONG 048 10.0W	HOOR 14.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIG 011 785 08	1 SQUARE 38							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.6	STD	00000	03.12	33.38	26.61	00.000	1460.5							
	OBS	00001	03.12	33.38	26.61		1461.0							
	STD	00010	03.11	33.38	26.61	00.014	1461.1							
	OBS	00013	03.11	33.38	26.61		1461.1							
	STD	00020	03.13	33.38	26.60	00.025	1461.3							
	OBS	00020	03.13	33.38	26.60		1461.3							
	STD	00030	03.13	33.38	26.60	00.043	1461.5							
	OBS	00030	03.13	33.38	26.60		1461.5							
	OBS	00038	03.24	33.50	26.69		1462.2							
	OBS	00043	03.61	33.52	26.67		1463.9							
	STD	00050	03.57	33.58	26.72	00.071	1463.9							
	OBS	00051	03.56	33.61	26.75		1466.0							
	OBS	00059	02.64	33.91	27.07		1460.5							
	OBS	00066	02.45	33.98	27.14		1459.9							
	OBS	00070	02.48	34.13	27.26		1460.3							
	STD	00075	02.17	34.09	27.25	00.058	1459.0							
	OBS	00076	02.11	34.09	27.26		1458.8							
	OBS	00085	01.84	34.32	27.46		1458.2							
	OBS	00097	01.95	34.36	27.490									
	OBS	00099	01.92	34.31	27.45		1458.6							
	STD	00100	01.93	34.32	27.46	00.116	1458.7							
	OBS	00104	01.95	34.38	27.50		1458.9							
	OBS	00106	02.07	34.40	27.51		1459.5							
	OBS	00114	03.01	34.54	27.54		1463.9							
	OBS	00119	03.33	34.58	27.54		1465.4							
	STD	00125	03.39	34.58	27.54	00.132	1465.8							
	OBS	00127	03.42	34.58	27.53		1465.9							
	STD	00150	03.72	34.66	27.57	00.146	1467.7							
	OBS	00150	03.72	34.66	27.57		1467.7							
	OBS	00175	03.90	34.72	27.60		1468.5							
	STD	00200	04.10	34.77	27.61	00.172	1470.3							
	OBS	00209	04.15	34.79	27.63		1470.7							
	OBS	00226	04.21	34.83	27.65		1471.2							
	STD	00250	04.29	34.86	27.66	00.196	1472.0							
	OBS	00253	04.30	34.86	27.66		1472.1							
	OBS	00276	04.42	34.90	27.68		1473.0							
	STD	00300	04.47	34.93	27.70	00.215	1473.7							
	OBS	00304	04.47	34.93	27.70		1473.7							
	OBS	00352	04.30	34.92	27.71		1473.8							
	STD	00400	04.35	34.94	27.72	00.262	1474.8							
	OBS	00401	04.35	34.94	27.72		1474.9							
	OBS	00454	04.31	34.95	27.73		1475.6							
	STD	00500	04.22	34.96	27.75	00.303	1476.0							
	OBS	00500	04.22	34.96	27.75		1476.0							
	OBS	00552	04.15	34.95	27.75		1476.5							
	STD	00600	04.01	34.93	27.75	00.344	1476.7							
	OBS	00601	04.01	34.93	27.75		1476.7							
	OBS	00651	03.66	34.94	27.76		1477.4							
	STD	00700	03.87	34.92	27.76	00.386	1477.8							
	OBS	00702	03.87	34.92	27.76		1477.8							
	OBS	00750	03.88	34.93	27.76		1478.6							
	STD	00800	03.79	34.91	27.76	00.428	1479.1							
	OBS	00803	03.78	34.91	27.76		1479.1							
	OBS	00850	03.69	34.91	27.77		1479.5							
	STD	00900	03.60	34.89	27.76	00.470	1479.9							
	OBS	00904	03.60	34.89	27.76		1480.0							
	OBS	00951	03.61	34.90	27.77		1480.8							
	STD	01000	03.62	34.90	27.77	00.512	1481.7							
	OBS	01001	03.62	34.90	27.77		1481.7							
	OBS	01056	03.60	34.90	27.77		1482.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 03614	AIR TEMP 02.9	DIA HGT PER	WIND-DIR 29	INST STC RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 05	SHIP EV	NET BULB 01.1	31 2 4	WIND-SPD 19	TRACE DIA 0	9 SQUARE 2
LAT 43 47.5N	DAY 26	DATA USE 1	BAROMETR 1001.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 047 46.5W	MOOR 16.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRJG 11 786 14	1 SQUARE 37

CASHTUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.5	STD	00000	03.72	33.46	26.61	00.000	1463.6							
	OBS	00003	03.72	33.46	26.61		1463.7							
	STD	00010	03.69	33.46	26.62	00.014	1463.6							
	OBS	00011	03.69	33.46	26.62		1463.7							
	STD	00020	03.71	33.46	26.61	00.025	1463.9							
	OBS	00020	03.71	33.46	26.61		1463.9							
	STD	00030	03.71	33.46	26.61	00.043	1464.0							
	OBS	00030	03.71	33.46	26.61		1464.1							
	OBS	00036	03.59	33.52	26.67		1463.7							
	OBS	00040	03.04	33.49	26.70		1461.4							
	OBS	00043	02.58	33.50	26.71		1461.2							
	OBS	00047	02.55	33.48	26.73		1459.4							
	STD	00050	02.47	33.54	26.78	00.070	1459.2							
	OBS	00051	02.43	33.57	26.82		1459.0							
	OBS	00053	02.02	33.62	26.89		1457.3							
	OBS	00059	01.79	33.76	27.02		1456.6							
	OBS	00062	02.10	33.88	27.08		1458.5							
	OBS	00066	01.96	33.85	27.11		1457.7							
	OBS	00068	02.07	33.99	27.18		1458.3							
	OBS	00074	02.00	34.04	27.23		1458.2							
	STD	00075	01.91	34.05	27.24	00.097	1457.8							
	OBS	00081	01.45	34.08	27.30		1455.9							
	OBS	00083	01.43	34.08	27.30		1455.9							
	OBS	00095	01.63	34.23	27.41		1457.1							
	OBS	00099	02.56	34.40	27.47		1461.5							
	STD	00100	02.61	34.41	27.47	00.115	1461.8							
	OBS	00102	02.75	34.42	27.47		1462.4							
	OBS	00104	03.20	34.46	27.46		1464.5							
	OBS	00110	02.94	34.45	27.47		1463.4							
	OBS	00114	03.26	34.52	27.50		1465.0							
	STD	00125	03.25	34.52	27.50	00.130	1465.1							
	OBS	00125	03.24	34.52	27.50		1465.1							
	OBS	00142	02.81	34.48	27.51		1463.4							
	OBS	00144	02.77	34.50	27.53		1463.3							
	STD	00150	02.82	34.52	27.54	00.145	1463.6							
	OBS	00150	02.82	34.52	27.54		1463.7							
	OBS	00156	02.83	34.51	27.53		1463.8							
	OBS	00165	03.40	34.63	27.57		1466.5							
	OBS	00175	03.20	34.60	27.57		1465.8							
	OBS	00178	03.11	34.58	27.56		1465.5							
	OBS	00180	02.88	34.57	27.57		1464.5							
	OBS	00186	02.51	34.53	27.58		1462.9							
	STD	00200	02.21	34.52	27.55	00.172	1461.8							
	OBS	00201	02.18	34.52	27.59		1461.7							
	OBS	00226	02.06	34.54	27.62		1461.6							
	STD	00250	02.14	34.56	27.63	00.167	1462.4							
	OBS	00255	02.21	34.58	27.64		1462.8							
	OBS	00262	02.36	34.62	27.66		1463.6							
	OBS	00277	02.40	34.63	27.66		1464.1							
	STD	00300	02.63	34.67	27.68	00.220	1465.5							
	CIS	00302	02.67	34.68	27.68		1465.7							
	OBS	00323	02.99	34.72	27.68		1467.5							
	OBS	00340	03.38	34.77	27.69		1469.5							
	OBS	00346	03.30	34.76	27.69		1469.3							
	OBS	00354	03.48	34.79	27.69		1470.2							
	STD	00400	04.16	34.93	27.74	00.263	1474.0							
	OBS	00403	04.19	34.94	27.74		1474.2							
	OBS	00454	04.37	34.98	27.75		1475.9							
	STD	00500	04.33	34.97	27.75	00.304	1476.4							
	OBS	00500	04.33	34.97	27.75		1476.5							
	OBS	00553	04.24	34.96	27.75		1476.5							
	STD	00600	04.23	34.97	27.76	00.345	1477.7							
	OBS	00605	04.22	34.97	27.76		1477.7							
	OBS	00654	04.05	34.93	27.75		1477.8							
	STD	00700	03.92	34.92	27.75	00.386	1478.0							
	OBS	00700	03.92	34.92	27.75		1478.0							
	OBS	00750	03.79	34.91	27.76		1478.2							
	STD	00800	03.69	34.90	27.76	00.428	1478.6							
	OBS	00805	03.64	34.90	27.76		1478.7							
	OBS	00850	03.74	34.93	27.78		1479.8							
	STD	00900	03.74	34.92	27.77	00.47C	1480.5							
	OBS	00900	03.74	34.92	27.77		1480.5							
	OBS	00951	03.62	34.90	27.77		1480.9							
	STD	01000	03.55	34.89	27.77	00.512	1481.4							
	OBS	01005	03.54	34.89	27.77		1481.4							
	OBS	01050	03.49	34.88	27.76		1481.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03843	AIR TEMP 04.9	DIR MGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0338	MONTH 05	SHIP EV	WET BULB 02.4	27 4 3	WIND-SPD 21	TRACE DIR	5 SQUARE 2
LAT 43 50.0N	DAY 24	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 40.2W	HOOR 18.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 787 16	1 SQUARE 37

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.5	STD	00000	03.26	33.16	26.42	00.000	1461.2							
	OBS	00003	03.26	33.16	26.42		1461.3							
	STD	00010	03.28	33.16	26.42	00.014	1461.5							
	OBS	00011	03.28	33.16	26.42		1461.5							
	STD	00020	03.28	33.16	26.42	00.032	1461.6							
	OBS	00022	03.28	33.16	26.42		1461.7							
	STD	00030	03.26	33.16	26.42	00.045	1461.7							
	OBS	00032	03.25	33.16	26.42		1461.7							
	OBS	00036	03.11	33.14	26.41		1461.1							
	OBS	00038	02.49	33.21	26.52		1458.6							
	OBS	00045	02.61	33.20	26.51		1459.2							
	OBS	00047	02.29	33.31	26.62		1458.0							
	STD	00050	01.84	33.33	26.67	00.079	1456.2							
	OBS	00051	01.68	33.34	26.69		1455.4							
	OBS	00053	01.51	33.42	26.76		1454.8							
	OBS	00055	01.47	33.45	26.79		1454.7							
	OBS	00057	01.51	33.45	26.79		1454.6							
	OBS	00066	00.09	33.45	26.87		1448.7							
	STD	00075	00.28	33.63	27.01	00.105	1446.9							
	OBS	00076	00.30	33.68	27.05		1450.1							
	OBS	00078	01.26	33.77	27.06		1454.6							
	OBS	00081	01.40	33.76	27.04		1455.3							
	OBS	00087	00.72	33.75	27.08		1452.3							
	OBS	00093	00.83	33.83	27.14		1453.0							
	OBS	00097	01.91	33.54	27.15		1458.0							
	OBS	00099	01.57	34.02	27.21		1458.4							
	STD	00100	02.24	34.03	27.20	00.133	1459.6							
	OBS	00104	02.52	34.06	27.16		1462.7							
	OBS	00110	02.45	34.03	27.18		1460.7							
	OBS	00119	02.46	34.03	27.18		1460.9							
	STD	00125	02.92	34.17	27.25	00.155	1463.2							
	OBS	00125	02.56	34.18	27.26		1463.4							
	OBS	00148	03.08	34.20	27.26		1464.3							
	STD	00150	03.03	34.19	27.26	00.176	1464.1							
	OBS	00150	03.01	34.19	27.26		1464.0							
	OBS	00156	02.70	34.28	27.36		1462.9							
	OBS	00163	03.21	34.42	27.42		1465.4							
	OBS	00169	02.22	34.34	27.45		1461.1							
	OBS	00182	02.59	34.46	27.51		1463.1							
	OBS	00159	03.51	34.55	27.50		1467.5							
	STD	00200	03.51	34.55	27.50	00.212	1467.5							
	OBS	00205	03.65	34.62	27.54		1468.3							
	OBS	00228	03.85	34.64	27.54		1469.5							
	STD	00250	03.40	34.58	27.54	00.241	1467.9							
	OBS	00251	03.35	34.58	27.54		1467.7							
	OBS	00255	03.20	34.62	27.59		1467.1							
	OBS	00266	03.17	34.60	27.57		1467.2							
	OBS	00287	02.42	34.54	27.59		1464.2							
	STD	00300	02.34	34.57	27.62	00.268	1464.1							
	OBS	00302	02.33	34.57	27.62		1464.1							
	OBS	00350	02.33	34.60	27.65		1464.9							
	STD	00400	02.75	34.68	27.67	00.316	1467.7							
	OBS	00401	02.77	34.68	27.67		1467.8							
	OBS	00403	02.79	34.68	27.67		1467.9							
	OBS	00426	03.24	34.77	27.70		1470.4							
	OBS	00435	03.54	34.79	27.69		1471.8							
	OBS	00456	03.31	34.78	27.70		1471.2							
	STD	00500	03.51	34.82	27.71	00.360	1472.8							
	OBS	00500	03.51	34.82	27.71		1472.8							
	OBS	00550	03.71	34.86	27.73		1474.5							
	STD	00600	03.98	34.92	27.74	00.403	1476.6							
	OBS	00601	03.99	34.92	27.75		1476.6							
	OBS	00651	04.10	34.94	27.75		1477.9							
	STD	00700	03.59	34.94	27.76	00.445	1478.3							
	OBS	00700	03.99	34.94	27.76		1478.3							
	OBS	00750	03.81	34.90	27.75		1478.3							
	STD	00800	03.85	34.91	27.75	00.487	1479.3							
	OBS	00803	03.85	34.91	27.75		1479.4							
	OBS	00852	03.94	34.93	27.76		1480.6							
	STD	00900	03.88	34.93	27.76	00.530	1481.1							
	OBS	00900	03.88	34.93	27.76		1481.2							
	OBS	00953	03.78	34.91	27.76		1481.6							
	STD	01000	03.76	34.91	27.76	00.573	1482.3							
	OBS	01001	03.76	34.91	27.76		1482.3							
	OBS	01054	03.72	34.91	27.77		1483.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA																
REFID	31	8463	YEAR	1975	BOYD	01536	AIR TEMP	02.7	DIA	HGT	PER	WIND-DIR	33	INST	STD	RECORDER
CONSEC	0009	MONTH	05	SHIP	EV	WET	BULB	00.9	27	6	4	WIND-SPD	12	TRACE	DIA	D
LA"	44	04.94	DAY	26	DATA	USE	1	BAROMETER	1018.5	SEA		WIND-FOR		DURATION	00.3	
LONG	047	41.24	HOUR	21.6	AREA	05	CLOUD	T/A	CL/TR			HEATHER	X1	DRIS	011 788	11
CASTNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND	VEL	DRY6	PO4	TOT	P	NO2	NO3	SIO3	PH
21.6	STD	00000	07.97	34.35	26.75	00.000	1482.0									
	OBS	00001	07.97	34.35	26.79		1482.0									
	STD	00010	07.98	34.35	26.79	00.013	1482.2									
	OBS	00011	07.98	34.35	26.79		1482.2									
	OBS	00015	07.97	34.34	26.78		1482.2									
	STD	00020	07.97	34.35	26.75	00.025	1482.3									
	OBS	00020	07.97	34.35	26.79		1482.3									
	STD	00030	07.96	34.35	26.79	00.038	1482.4									
	STD	00050	07.95	34.35	26.79	00.064	1482.7									
	OBS	00053	07.95	34.35	26.79		1482.8									
	OBS	00059	07.47	34.65	26.94		1481.1									
	OBS	00068	08.41	34.79	27.07		1485.3									
	OBS	00070	08.38	34.78	27.06		1485.2									
	OBS	00074	07.80	34.68	27.07		1483.0									
	STD	00075	07.94	34.71	27.08	00.092	1483.6									
	OBS	00075	08.48	34.84	27.10		1485.9									
	OBS	00085	08.37	34.81	27.09		1485.5									
	OBS	00093	07.56	34.64	27.08		1482.3									
	OBS	00097	07.50	34.70	27.13		1482.2									
	STD	00100	07.56	34.71	27.13	00.117	1482.5									
	OBS	00100	07.57	34.71	27.13		1482.5									
	OBS	00119	07.59	34.74	27.15		1483.0									
	STD	00125	07.28	34.70	27.17	00.140	1481.8									
	OBS	00127	07.23	34.70	27.17		1481.6									
	OBS	00133	07.29	34.72	27.18		1482.0									
	STD	00150	07.76	34.82	27.19	00.163	1484.2									
	OBS	00152	07.79	34.83	27.19		1484.4									
	OBS	00169	07.82	34.85	27.20		1484.8									
	OBS	00177	07.71	34.86	27.23		1484.5									
	OBS	00182	07.62	34.83	27.22		1484.2									
	OBS	00190	07.80	34.51	27.25		1485.2									
	STD	00200	07.79	34.95	27.28	00.207	1485.3									
	OBS	00201	07.79	34.95	27.29		1485.4									
	OBS	00209	07.88	34.94	27.26		1485.8									
	OBS	00218	07.41	34.84	27.26		1484.0									
	OBS	00220	07.20	34.86	27.30		1483.3									
	OBS	00228	07.23	34.92	27.34		1483.6									
	OBS	00230	07.25	34.90	27.33		1483.7									
	OBS	00234	07.65	35.06	27.39		1485.5									
	STD	00250	07.73	35.06	27.38	00.247	1486.1									
	OBS	00257	07.79	35.06	27.37		1486.4									
	OBS	00258	07.81	35.07	27.38		1486.5									
	OBS	00287	05.45	34.71	27.35		1478.0									
	OBS	00285	05.55	34.73	27.42		1477.7									
	OBS	00298	04.84	34.65	27.44		1474.8									
	STD	00300	04.75	34.64	27.44	00.283	1474.4									
	OBS	00308	04.22	34.57	27.44		1472.3									
	OBS	00319	03.90	34.55	27.49		1471.1									
	OBS	00325	04.11	34.62	27.49		1472.2									
	OBS	00350	04.12	34.68	27.54		1472.7									
	OBS	00357	04.24	34.70	27.54		1473.4									
	OBS	00367	04.85	34.80	27.56		1476.2									
	OBS	00375	04.73	34.76	27.54		1475.8									
	OBS	00378	04.73	34.79	27.56		1475.6									
	OBS	00386	04.51	34.77	27.57		1475.0									
	OBS	00388	04.49	34.77	27.57		1475.0									
	OBS	00397	04.86	34.81	27.56		1476.7									
	STD	00400	04.70	34.80	27.57	00.345	1476.1									
	OBS	00407	04.39	34.75	27.60		1474.6									
	OBS	00420	04.73	34.86	27.62		1476.6									
	OBS	00439	04.85	34.88	27.62		1477.5									
	OBS	00453	04.59	34.93	27.64		1478.3									
	OBS	00460	04.73	34.88	27.63		1477.3									
	OBS	00462	04.73	34.89	27.64		1477.4									
	OBS	00479	05.46	35.04	27.67		1480.8									
	STD	00500	05.34	35.02	27.67	00.398	1480.7									
	OBS	00502	05.32	35.02	27.67		1480.6									
	OBS	00508	05.42	35.05	27.69		1481.2									
	OBS	00550	04.90	34.97	27.68		1479.6									
	STD	00600	04.96	35.02	27.72	00.446	1480.8									
	OBS	00603	04.96	35.02	27.72		1480.8									
	OBS	00651	04.80	35.00	27.72		1480.9									
	STD	00700	04.73	35.01	27.74	00.491	1481.5									
	OBS	00700	04.73	35.01	27.74		1481.5									
	OBS	00753	04.60	35.00	27.74		1481.8									
	STD	00800	04.51	34.99	27.74	00.536	1482.2									
	OBS	00803	04.51	34.99	27.74		1482.2									
	OBS	00856	04.46	34.99	27.75		1482.9									
	STD	00900	04.37	34.95	27.76	00.581	1483.3									
	OBS	00900	04.37	34.99	27.76		1483.3									
	OBS	00951	04.28	34.98	27.76		1483.7									
	STD	01000	04.22	34.98	27.77	00.625	1484.3									
	OBS	01001	04.22	34.98	27.77		1484.3									
	OBS	01054	04.19	34.97	27.76		1485.1									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 0463 YEAR 1975 BOTOP 03675 AIR TEMP 03.5 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1306
 CONSEC 0010 MONTH 05 SHIP EV WET BULB 02.9 31 3 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LA" 44 22.0N DAY 26 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
 LONG 047 40.9W HOUR 23.5 AREA 05 CLCUD T/A CL/TR WEATHER X1 DRG 011 789 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.5	STD	00000	10.33	34.93	26.86	00.000	1491.5							
	OBS	00003	10.33	34.93	26.86		1491.6							
	STD	00010	10.35	34.94	26.86	00.012	1491.7							
	OBS	00011	10.35	34.94	26.86		1491.8							
	STD	00020	10.34	34.93	26.86	00.024	1491.9							
	OBS	00020	10.34	34.93	26.86		1491.9							
	STD	00030	10.35	34.94	26.86	00.036	1492.1							
	OBS	00032	10.35	34.94	26.86		1492.1							
	STD	00050	10.34	34.94	26.87	00.060	1492.4							
	OBS	00051	10.34	34.94	26.87		1492.4							
	OBS	00064	10.39	34.99	26.90		1492.8							
	OBS	00066	10.58	35.00	26.87		1493.6							
	OBS	00070	11.37	35.22	26.90		1496.7							
	STD	00075	11.51	35.25	26.92	00.090	1497.4							
	OBS	00076	11.54	35.30	26.93		1497.5							
	OBS	00099	11.85	35.40	26.95		1499.1							
	STD	00100	11.76	35.38	26.95	00.118	1498.8							
	OBS	00104	11.37	35.32	26.98		1497.4							
	OBS	00123	10.76	35.27	27.05		1495.5							
	STD	00125	10.87	35.30	27.05	00.146	1496.0							
	OBS	00129	11.14	35.38	27.06		1497.1							
	STD	00150	10.13	35.15	27.07	00.172	1493.5							
	OBS	00150	10.09	35.14	27.06		1493.4							
	OBS	00154	09.70	35.03	27.05		1491.9							
	OBS	00156	09.65	35.09	27.10		1491.8							
	OBS	00165	08.45	34.80	27.07		1487.1							
	OBS	00169	08.04	34.84	27.16		1485.6							
	OBS	00175	07.90	34.84	27.18		1485.2							
	OBS	00184	07.41	34.74	27.18		1483.3							
	STD	00200	07.36	34.73	27.18	00.221	1483.4							
	OBS	00203	07.35	34.73	27.18		1483.4							
	OBS	00224	07.27	34.76	27.21		1483.5							
	OBS	00232	06.20	34.94	27.22		1487.4							
	OBS	00239	06.16	34.91	27.20		1487.4							
	OBS	00246	07.54	34.88	27.27		1485.1							
	STD	00250	07.56	34.88	27.27	00.266	1485.2							
	OBS	00251	07.59	34.89	27.27		1485.3							
	OBS	00262	07.90	34.92	27.25		1486.7							
	OBS	00270	08.06	34.97	27.26		1487.6							
	OBS	00276	07.97	34.95	27.26		1487.3							
	OBS	00281	07.73	34.93	27.28		1486.4							
	OBS	00287	08.04	35.00	27.29		1487.8							
	STD	00300	07.85	34.99	27.31	00.308	1487.3							
	OBS	00300	07.84	34.99	27.31		1487.2							
	OBS	00329	07.65	35.00	27.35		1487.0							
	OBS	00335	07.13	34.92	27.36		1485.0							
	OBS	00348	06.56	34.98	27.43		1484.6							
	OBS	00350	07.12	35.01	27.43		1485.3							
	OBS	00367	07.19	35.03	27.44		1485.5							
	OBS	00367	06.66	34.96	27.45		1484.2							
	STD	00400	06.50	34.93	27.46	00.384	1483.5							
	OBS	00407	06.03	34.86	27.46		1481.7							
	OBS	00426	05.46	34.71	27.410									
	OBS	00430	05.10	34.70	27.450									
	OBS	00453	04.58	34.80	27.54		1478.1							
	OBS	00466	05.28	34.90	27.56		1479.7							
	OBS	00472	05.78	35.01	27.61		1482.0							
	STD	00500	05.66	34.99	27.61	00.447	1481.5							
	OBS	00500	05.66	34.99	27.61		1481.6							
	OBS	00525	05.48	34.95	27.60		1481.6							
	OBS	00533	05.25	34.90	27.59		1480.7							
	OBS	00540	04.69	34.85	27.61		1478.4							
	OBS	00550	04.67	34.87	27.63		1478.5							
	STD	00600	04.76	34.94	27.68	00.495	1479.8							
	OBS	00601	04.76	34.94	27.68		1479.9							
	OBS	00652	04.65	34.94	27.69		1480.3							
	STD	00700	04.92	35.03	27.73	00.547	1482.3							
	OBS	00702	04.93	35.03	27.73		1482.4							
	OBS	00751	04.48	34.95	27.72		1481.2							
	STD	00800	04.37	34.96	27.74	00.593	1481.6							
	OBS	00801	04.37	34.96	27.74		1481.6							
	OBS	00850	04.19	34.94	27.74		1481.6							
	STD	00900	04.16	34.95	27.75	00.638	1482.5							
	OBS	00900	04.19	34.95	27.75		1482.5							
	OBS	00953	04.24	34.97	27.76		1483.6							
	STD	01000	04.05	34.94	27.75	00.683	1483.6							
	OBS	01001	04.05	34.94	27.75		1483.6							
	OBS	01026	03.99	34.94	27.76		1483.7							
	OBS	01054	03.99	34.94	27.76		1484.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA														
FEFID 31 0463	YEAR 1975	BOTOP 03524	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 23	INST STC RECORDER	TEN SG 136							
CONSEC 0011	MONTH 05	SHIP EV	WET BULB 06.1	23 1 2	WIND-SPD 15	TRACE DIR	5 SQUARE							
LAT 44 35.8N	DAY 27	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE							
LONG 147 43.0W	MOOR 02.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 790	1 SQUARE							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	MC2	MC3	SIG3	PH
02.2	OBS	00009	11.04	35.14	26.90		1494.5							
	STD	00010	11.04	35.14	26.90		1494.5							
	STD	00020	11.04	35.14	26.90		1494.6							
	OBS	00022	11.04	35.14	26.90		1494.7							
	STD	00030	11.09	35.15	26.89		1495.0							
	OBS	00030	11.09	35.15	26.89		1495.0							
	STD	00050	11.12	35.15	26.89		1495.4							
	OBS	00051	11.12	35.15	26.89		1495.4							
	STD	00075	11.10	35.15	26.89		1495.8							
	OBS	00076	11.10	35.15	26.89		1495.8							
	OBS	00093	11.24	35.21	26.91		1496.6							
	OBS	00095	11.60	35.32	26.93		1498.0							
	STD	00100	11.66	35.34	26.94		1498.3							
	OBS	00100	11.66	35.34	26.94		1498.4							
	STD	00125	10.65	35.22	27.03		1495.1							
	OBS	00127	10.64	35.21	27.02		1495.1							
	OBS	00129	10.64	35.20	27.01		1495.1							
	OBS	00131	10.33	35.18	27.05		1494.0							
	OBS	00137	09.70	35.08	27.08		1491.6							
	OBS	00146	08.97	34.94	27.10		1488.9							
	STD	00150	08.87	34.93	27.11		1488.6							
	OBS	00152	08.80	34.93	27.12		1488.4							
	OBS	00156	07.52	34.69	27.12		1483.2							
	OBS	00161	07.45	34.68	27.12		1483.0							
	OBS	00165	07.70	34.74	27.13		1484.1							
	OBS	00167	07.68	34.75	27.15		1484.1							
	OBS	00169	07.37	34.67	27.13		1482.8							
	OBS	00173	07.66	34.75	27.15		1484.1							
	OBS	00175	07.66	34.75	27.15		1484.2							
	OBS	00190	07.41	34.72	27.16		1483.4							
	OBS	00198	06.96	34.63	27.15		1481.7							
	STD	00200	06.94	34.67	27.19		1481.7							
	OBS	00201	06.93	34.71	27.22		1481.7							
	OBS	00207	07.59	34.82	27.21		1484.5							
	OBS	00215	07.72	34.88	27.24		1485.2							
	OBS	00218	07.39	34.75	27.22		1483.5							
	OBS	00220	07.39	34.80	27.23		1483.5							
	OBS	00226	07.72	34.88	27.24		1485.4							
	OBS	00234	08.15	35.00	27.27		1487.3							
	OBS	00236	08.41	35.05	27.27		1488.4							
	STD	00250	08.32	35.02	27.26		1488.3							
	OBS	00251	08.30	35.02	27.26		1488.2							
	OBS	00276	07.81	34.96	27.29		1486.7							
	OBS	00276	07.72	34.97	27.31		1486.4							
	OBS	00285	07.34	34.90	27.31		1484.5							
	STD	00300	06.20	34.74	27.34		1480.5							
	OBS	00300	06.16	34.73	27.34		1480.3							
	OBS	00325	06.03	34.77	27.39		1480.2							
	OBS	00336	06.57	34.93	27.44		1482.8							
	OBS	00342	06.55	35.00	27.45		1484.5							
	OBS	00350	07.20	35.06	27.46		1485.7							
	OBS	00371	07.05	35.07	27.49		1485.4							
	OBS	00378	06.77	35.04	27.50		1484.4							
	OBS	00380	06.75	35.04	27.51		1484.4							
	OBS	00386	06.53	34.97	27.48		1483.5							
	OBS	00394	05.41	34.83	27.51		1478.9							
	STD	00400	05.38	34.85	27.53		1478.6							
	OBS	00401	05.37	34.86	27.54		1479.0							
	OBS	00415	05.53	34.95	27.54		1481.6							
	OBS	00416	05.87	34.92	27.53		1481.3							
	OBS	00420	05.48	34.89	27.55		1479.8							
	OBS	00435	04.69	34.79	27.57		1476.6							
	OBS	00451	04.60	34.80	27.58		1476.5							
	STD	00500	04.56	34.82	27.60		1477.2							
	OBS	00500	04.55	34.82	27.61		1477.2							
	OBS	00512	04.36	34.82	27.63		1476.5							
	OBS	00525	04.21	34.84	27.66		1476.2							
	OBS	00550	04.71	34.95	27.69		1478.8							
	STD	00600	04.78	34.97	27.70		1480.0							
	OBS	00601	04.78	34.97	27.70		1480.0							
	OBS	00641	04.64	34.97	27.71		1480.1							
	OBS	00652	04.89	35.02	27.73		1481.4							
	STD	00700	04.85	35.02	27.73		1482.0							
	OBS	00704	04.84	35.02	27.73		1482.0							
	OBS	00750	04.64	35.02	27.75		1481.9							
	STD	00800	04.57	34.99	27.74		1482.4							
	OBS	00803	04.34	34.99	27.74		1482.5							
	OBS	00852	04.37	34.99	27.76		1482.5							
	STD	00900	04.15	34.95	27.75		1482.3							
	OBS	00909	04.10	34.94	27.75		1482.2							
	OBS	00955	03.83	34.90	27.75		1481.8							
	STD	01000	03.83	34.93	27.77		1482.6							
	OBS	01001	03.83	34.93	27.77		1482.6							
	OBS	01048	03.67	34.89	27.75		1482.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 0443 YEAR 1975 BOTDP 03558 AIR TEMP 05.1 DIR 1-CT PER WIND-DIR 17 INST STD RECORDER TET SO 1306
 CONSEC 0012 MONTH 05 SHIP EV MET BULB 03.4 34 2 4 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2
 LAT 44 51.5N DAY 27 DATA USE 1 BAROMETR 1018.1 SEA CL/TR WIND-FOR WEATHER X1 DURATION 00.6 2 SQUARE 46
 LONG 047 39.0W HOUR 04.7 AREA 05 CLOUD T/A ORIG 011 791 1 SQUARE 47

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AG2	NO3	SIO3	PH
04.7	STD	00000	06.36	33.96	26.71	00.000	1475.1							
	OBS	00003	06.36	33.96	26.71		1475.2							
	STD	00010	06.36	33.96	26.71	00.013	1475.3							
	OBS	00011	06.37	33.96	26.71		1475.4							
	STD	00020	06.46	33.99	26.72	00.027	1475.5							
	OBS	00020	06.47	33.99	26.72		1476.0							
	STD	00030	06.46	33.99	26.72	00.040	1476.1							
	OBS	00032	06.46	33.99	26.72		1476.1							
	OBS	00047	06.45	33.99	26.72		1476.3							
	STD	00050	05.95	33.95	26.75	00.067	1476.3							
	OBS	00053	05.49	33.92	26.78		1472.5							
	OBS	00055	05.35	33.92	26.80		1471.9							
	OBS	00060	03.05	33.81	26.95		1462.2							
	OBS	00066	03.26	33.57	27.06		1463.4							
	OBS	00068	03.75	34.10	27.12		1465.7							
	OBS	00070	03.85	34.14	27.14		1466.2							
	STD	00075	04.20	34.17	27.13	00.095	1467.8							
	OBS	00076	04.20	34.18	27.13		1468.1							
	OBS	00087	04.22	34.21	27.16		1468.2							
	OBS	00091	03.84	34.16	27.16		1466.6							
	OBS	00097	04.11	34.27	27.22		1467.9							
	OBS	00099	04.43	34.29	27.20		1469.3							
	STD	00100	04.84	34.36	27.21	00.118	1471.1							
	OBS	00102	05.77	34.51	27.22		1475.2							
	OBS	00116	05.82	34.54	27.23		1475.7							
	OBS	00118	06.08	34.60	27.25		1476.8							
	OBS	00119	06.09	34.59	27.24		1476.9							
	STD	00125	05.64	34.55	27.26	00.135	1475.1							
	OBS	00125	05.62	34.55	27.27		1475.0							
	OBS	00131	05.76	34.59	27.28		1475.7							
	OBS	00135	05.30	34.50	27.27		1473.8							
	OBS	00137	05.24	34.57	27.33		1473.7							
	OBS	00144	06.35	34.76	27.34		1478.5							
	STD	00150	06.52	34.78	27.33	00.160	1475.3							
	OBS	00150	06.53	34.78	27.33		1475.4							
	OBS	00156	05.33	34.63	27.36		1474.4							
	OBS	00159	04.73	34.51	27.34		1471.9							
	OBS	00171	04.96	34.61	27.35		1473.1							
	OBS	00178	05.50	34.72	27.42		1475.6							
	OBS	00198	05.05	34.64	27.41		1474.0							
	STD	00200	04.98	34.64	27.41	00.196	1473.7							
	OBS	00201	04.76	34.62	27.42		1472.8							
	OBS	00203	04.36	34.58	27.44		1471.2							
	OBS	00218	04.56	34.70	27.51		1472.4							
	OBS	00222	05.01	34.75	27.50		1474.4							
	OBS	00228	05.26	34.79	27.50		1475.6							
	STD	00250	05.13	34.81	27.53	00.225	1475.4							
	OBS	00253	05.13	34.81	27.53		1475.5							
	OBS	00272	05.20	34.84	27.55		1476.1							
	OBS	00277	04.99	34.83	27.56		1475.3							
	STD	00300	04.55	34.78	27.57	00.258	1473.8							
	OBS	00300	04.54	34.78	27.57		1473.8							
	OBS	00350	04.65	34.87	27.63		1475.2							
	OBS	00361	04.49	34.89	27.67		1474.7							
	OBS	00375	04.89	34.52	27.65		1476.6							
	OBS	00378	05.26	35.01	27.67		1478.3							
	OBS	00390	05.67	35.05	27.65		1480.2							
	STD	00400	05.70	35.08	27.68	00.310	1480.6							
	OBS	00403	05.71	35.09	27.68		1480.7							
	OBS	00453	05.42	35.04	27.68		1480.2							
	STD	00500	05.21	35.05	27.71	00.357	1480.2							
	OBS	00500	05.21	35.05	27.71		1480.2							
	OBS	00552	04.96	35.04	27.73		1480.0							
	STD	00600	04.69	35.01	27.74	00.401	1479.7							
	OBS	00601	04.69	35.01	27.74		1479.7							
	OBS	00652	04.65	35.01	27.74		1480.4							
	STD	00700	04.46	34.98	27.74	00.445	1480.3							
	OBS	00702	04.45	34.98	27.74		1480.3							
	OBS	00750	04.24	34.96	27.75		1480.2							
	STD	00800	04.19	34.95	27.75	00.485	1480.8							
	OBS	00801	04.19	34.95	27.75		1480.8							
	OBS	00852	04.21	34.98	27.77		1481.8							
	STD	00900	04.03	34.94	27.76	00.533	1481.6							
	OBS	00900	04.03	34.94	27.76		1481.8							
	OBS	00953	03.99	34.95	27.77		1482.5							
	STD	01000	03.88	34.94	27.77	00.576	1482.8							
	OBS	01003	03.88	34.94	27.77		1482.9							
	OBS	01048	03.88	34.93	27.76		1483.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFIC 31 8443	YEAR 1975	SDOP 03658	AIR TEMP 04.4	DIR MGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306								
CONSEC 0313	MONTH 05	SHIP EV	WET BULB 03.0	19 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2								
LAT 44 48.7N	DAY 27	DATA USE 1	BAROMETER 1017.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46								
LONG 047 58.2W	MOOR 07.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIG 011 792 11	1 SQUARE 47								
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT_P	NO2	NO3	SIO3	PH	
07.6	STD	00000	04.16	33.42	26.54	00.000	1465.4								
	OBS	00001	04.16	33.42	26.54		1465.4								
	STD	00010	04.15	33.42	26.54	00.015	1465.5								
	OBS	00011	04.15	33.42	26.54		1465.6								
	STD	00020	04.14	33.42	26.54	00.030	1465.7								
	OBS	00020	04.14	33.42	26.54		1465.7								
	STD	00030	04.30	33.46	26.55	00.045	1466.5								
	OBS	00030	04.30	33.46	26.55		1466.5								
	OBS	00036	04.26	33.50	26.55		1466.5								
	OBS	00038	04.48	33.50	26.57		1467.5								
	OBS	00047	04.39	33.49	26.57		1467.2								
	STD	00050	03.92	33.43	26.57	00.075	1465.2								
	OBS	00051	03.50	33.38	26.57		1463.4								
	OBS	00053	02.77	33.30	26.57		1460.2								
	OBS	00055	02.41	33.32	26.62		1458.7								
	OBS	00074	02.23	33.71	26.94		1458.7								
	STD	00075	02.20	33.72	26.95	00.107	1458.6								
	OBS	00078	01.91	33.76	27.01		1457.4								
	OBS	00079	01.60	33.79	27.05		1456.2								
	OBS	00081	01.54	33.82	27.08		1456.0								
	OBS	00083	01.54	33.87	27.12		1456.1								
	OBS	00089	02.32	34.04	27.20		1459.8								
	STD	00100	02.38	34.06	27.21	00.132	1460.3								
	OBS	00100	02.38	34.06	27.21		1460.3								
	OBS	00104	01.93	34.08	27.26		1458.4								
	STD	00125	02.71	34.23	27.32	00.153	1462.3								
	OBS	00125	02.73	34.23	27.32		1462.5								
	OBS	00131	02.35	34.18	27.31		1460.8								
	OBS	00148	01.98	34.27	27.41		1459.6								
	STD	00150	02.49	34.33	27.42	00.171	1461.9								
	OBS	00150	02.59	34.34	27.42		1462.4								
	OBS	00154	02.90	34.39	27.43		1463.6								
	OBS	00165	03.32	34.48	27.46		1466.0								
	OBS	00175	03.20	34.47	27.47		1465.6								
	STD	00200	03.43	34.53	27.49	00.203	1467.1								
	OBS	00201	03.45	34.54	27.50		1467.2								
	OBS	00226	03.83	34.66	27.56		1469.4								
	OBS	00241	04.01	34.68	27.55		1470.4								
	STD	00250	03.56	34.62	27.55	00.233	1468.6								
	OBS	00251	03.51	34.62	27.56		1468.4								
	OBS	00276	03.92	34.73	27.60		1470.7								
	STD	00300	04.32	34.84	27.64	00.256	1472.9								
	OBS	00300	04.33	34.84	27.65		1473.0								
	OBS	00352	04.43	34.86	27.65		1474.3								
	STD	00400	04.42	34.89	27.67	00.307	1475.1								
	OBS	00401	04.42	34.89	27.68		1475.1								
	OBS	00453	04.40	34.92	27.70		1475.9								
	STD	00500	04.36	34.92	27.71	00.353	1476.5								
	OBS	00502	04.35	34.92	27.71		1476.5								
	OBS	00552	04.19	34.90	27.71		1476.6								
	STD	00600	04.08	34.92	27.74	00.397	1477.0								
	OBS	00601	04.08	34.92	27.74		1477.0								
	OBS	00651	04.13	34.94	27.75		1478.1								
	STD	00700	04.06	34.92	27.74	00.441	1478.6								
	OBS	00700	04.06	34.92	27.74		1478.6								
	OBS	00750	03.78	34.89	27.74		1478.2								
	STD	00800	03.88	34.92	27.76	00.484	1479.5								
	OBS	00801	03.88	34.92	27.76		1479.5								
	OBS	00852	03.85	34.93	27.77		1480.2								
	STD	00900	03.76	34.91	27.76	00.526	1480.6								
	OBS	00900	03.76	34.91	27.76		1480.6								
	OBS	00953	03.81	34.93	27.77		1481.7								
	STD	01000	03.80	34.93	27.77	00.565	1482.5								
	OBS	01001	03.78	34.93	27.77		1482.4								
	OBS	01007	03.69	34.91	27.77		1482.1								
	OBS	01007	03.69	34.91	27.77		1482.1								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 0443	YEAR 1975	BOATDP 02805	AIR TEMP 03.8	DIR 1-GT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306							
CONSEC 0014	MONTH 05	SHIP EV	WET BULB 03.0	23 3 4	WIND-SPD 24	TRACE DIR 0	5 SQUARE 2							
LA* 44 50.5N	DAY 27	DATA USE 1	BARCHETR 1017.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 08.5W	HOUR 09.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DATE 011 793 10	1 SQUARE 48							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYMPH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.8	STD	00000	02.06	33.22	26.57	00.000	1456.1							
	OBS	00001	02.06	33.22	26.57		1456.1							
	OBS	00009	02.05	33.22	26.57		1456.2							
	STD	00010	02.04	33.22	26.57	00.015	1456.2							
	OBS	00011	02.03	33.23	26.58		1456.2							
	STD	00020	02.17	33.22	26.56	00.030	1456.6							
	OBS	00020	02.18	33.22	26.56		1457.0							
	STD	00030	02.16	33.24	26.57	00.044	1457.1							
	OBS	00030	02.16	33.24	26.57		1457.1							
	OBS	00049	02.08	33.37	26.68		1457.2							
	STD	00050	02.06	33.39	26.70	00.073	1457.2							
	OBS	00051	02.02	33.46	26.76		1457.1							
	OBS	00053	01.97	33.56	26.84		1457.0							
	OBS	00055	01.32	33.52	26.86		1456.1							
	OBS	00059	00.88	33.60	26.95		1457.3							
	OBS	00060	00.62	33.69	27.04		1451.3							
	OBS	00066	00.40	33.80	27.14		1450.4							
	OBS	00070	00.65	33.92	27.22		1451.9							
	STD	00075	00.59	33.89	27.20	00.101	1451.7							
	OBS	00076	00.59	33.88	27.19		1451.7							
	OBS	00078	00.60	33.89	27.20		1451.8							
	OBS	00081	01.13	34.00	27.26		1454.4							
	OBS	00091	01.47	34.18	27.38		1456.3							
	OBS	00095	01.62	34.18	27.39		1458.4							
	STD	00100	02.07	34.26	27.39	00.120	1455.2							
	OBS	00100	02.24	34.27	27.39		1460.0							
	OBS	00102	02.74	34.30	27.37		1462.2							
	STD	00125	03.85	34.52	27.44	00.137	1467.6							
	OBS	00125	03.86	34.52	27.44		1467.7							
	STD	00150	03.65	34.53	27.47	00.153	1467.2							
	OBS	00150	03.65	34.54	27.48		1467.2							
	OBS	00152	03.74	34.59	27.51		1467.7							
	OBS	00154	04.06	34.65	27.52		1468.2							
	OBS	00175	04.60	34.75	27.54		1471.9							
	STD	00200	04.71	34.80	27.58	00.183	1472.8							
	OBS	00203	04.71	34.81	27.58		1472.9							
	OBS	00228	04.62	34.83	27.61		1473.0							
	STD	00250	04.81	34.89	27.63	00.209	1474.2							
	OBS	00253	04.82	34.85	27.63		1474.3							
	OBS	00277	04.73	34.88	27.63		1474.3							
	STD	00300	04.50	34.87	27.65	00.234	1473.7							
	OBS	00300	04.45	34.87	27.65		1473.7							
	OBS	00350	04.58	34.92	27.68		1474.9							
	STD	00400	04.40	34.91	27.66	00.240	1475.0							
	OBS	00401	04.40	34.91	27.69		1475.0							
	OBS	00451	04.39	34.93	27.71		1475.8							
	STD	00500	04.32	34.94	27.72	00.325	1476.4							
	OBS	00506	04.31	34.94	27.73		1476.4							
	OBS	00550	04.24	34.93	27.73		1476.8							
	STD	00600	04.07	34.93	27.75	00.347	1476.9							
	OBS	00601	04.06	34.93	27.75		1476.5							
	OBS	00651	03.88	34.90	27.74		1477.0							
	STD	00700	03.72	34.88	27.74	00.410	1477.1							
	OBS	00702	03.72	34.88	27.74		1477.1							
	OBS	00750	03.71	34.89	27.75		1477.9							
	STD	00800	03.65	34.91	27.77	00.452	1478.5							
	OBS	00801	03.65	34.91	27.77		1478.5							
	OBS	00850	03.67	34.90	27.76		1479.4							
	STD	00900	03.63	34.90	27.77	00.493	1480.1							
	OBS	00900	03.63	34.90	27.77		1480.1							
	OBS	00951	03.54	34.90	27.79		1480.5							
	STD	01000	03.56	34.90	27.77	00.535	1481.4							
	OBS	01001	03.56	34.90	27.77		1481.4							
	OBS	01008	03.56	34.90	27.77		1481.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

H O D C S T A T I O N D A T A

REFIC 31 0443	YEAR 1975	80TOP 01564	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 22	INST STC RECORDER	TEN SQ 1306
CONSEC 0015	MONTH 05	SHIP EV	MET BULB 02.9	27 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 44 50.0N	DAY 27	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 24.3W	MOOR 12.1	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	DRG 011 794 12	1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT. P	NO2	NO3	SIO3	PH
12.1	STD	00000	02.13	33.30	26.62	00.000	1456.5							
	OBS	00001	02.13	33.30	26.62		1456.5							
	OBS	00003	02.13	33.29	26.62		1456.6							
	STD	00010	02.13	33.30	26.62	00.014	1456.7							
	OBS	00013	02.13	33.30	26.62		1456.7							
	STD	00020	02.12	33.30	26.62	00.028	1456.8							
	OBS	00020	02.11	33.30	26.63		1456.8							
	STD	00030	02.00	33.37	26.69	00.042	1456.5							
	OBS	00030	01.99	33.37	26.69		1456.5							
	OBS	00045	01.82	33.56	26.85		1456.2							
	STD	00050	01.50	33.71	27.00	00.067	1455.1							
	OBS	00051	01.41	33.75	27.04		1454.8							
	OBS	00064	00.91	33.84	27.14		1452.9							
	STD	00075	01.23	33.93	27.19	00.091	1454.6							
	OBS	00076	01.25	33.94	27.20		1454.7							
	STD	00100	01.25	34.04	27.28	00.112	1455.3							
	OBS	00102	01.25	34.06	27.30		1455.3							
	OBS	00112	01.31	34.16	27.37		1455.5							
	OBS	00118	01.57	34.23	27.41		1457.3							
	STD	00125	01.71	34.29	27.44	00.131	1458.1							
	OBS	00125	01.72	34.29	27.45		1458.1							
	STD	00150	02.28	34.40	27.49	00.146	1461.1							
	OBS	00152	02.31	34.41	27.50		1461.3							
	OBS	00175	02.49	34.50	27.55		1462.6							
	OBS	00184	02.63	34.52	27.56		1463.4							
	STD	00200	02.95	34.57	27.57	00.175	1465.1							
	OBS	00201	02.97	34.58	27.57		1465.2							
	OBS	00226	02.74	34.62	27.63		1464.7							
	STD	00250	02.76	34.59	27.60	00.201	1465.1							
	OBS	00251	02.76	34.59	27.60		1465.2							
	OBS	00276	02.65	34.62	27.63		1465.3							
	STD	00300	02.85	34.67	27.66	00.224	1466.5							
	OBS	00300	02.86	34.67	27.66		1466.5							
	OBS	00350	03.29	34.75	27.68		1466.3							
	STD	00400	03.40	34.79	27.70	00.271	1470.6							
	OBS	00403	03.42	34.79	27.70		1470.8							
	OBS	00439	03.67	34.84	27.71		1472.5							
	OBS	00449	04.06	34.89	27.71		1474.4							
	OBS	00451	04.08	34.90	27.72		1474.5							
	OBS	00468	04.05	34.88	27.71		1474.6							
	STD	00500	03.81	34.86	27.72	00.315	1474.1							
	OBS	00500	03.61	34.86	27.72		1474.1							
	OBS	00553	03.96	34.91	27.74		1475.7							
	STD	00600	03.99	34.92	27.75	00.351	1476.6							
	OBS	00601	03.99	34.92	27.75		1476.6							
	OBS	00651	03.67	34.92	27.75		1477.4							
	STD	00700	03.94	34.93	27.76	00.399	1478.1							
	OBS	00700	03.94	34.93	27.76		1478.1							
	OBS	00750	03.83	34.91	27.75		1478.4							
	STD	00800	03.71	34.90	27.76	00.441	1478.7							
	OBS	00801	03.71	34.90	27.76		1478.7							
	OBS	00850	03.62	34.89	27.76		1479.2							
	STD	00900	03.62	34.90	27.77	00.483	1480.0							
	OBS	00904	03.62	34.90	27.77		1480.1							
	OBS	00951	03.62	34.90	27.77		1480.5							
	STD	01000	03.60	34.91	27.78	00.525	1481.6							
	OBS	01001	03.60	34.91	27.78		1481.6							
	OBS	01050	03.42	34.88	27.77		1481.7							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 01759	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0016	MCNTH 05	SHIP EV	NET BULB 03.8	20 2 5	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LA° 44 49.0N	DAY 27	DATA USE 1	BAROMETER 1017.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 47.5W	MOUR 14.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRG 011 795 12	1 SQUARE 48

CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
14.1	STD	00000	01.92	33.33	26.66	00.000	1455.6							
	OBS	00001	01.92	33.33	26.66		1455.7							
	STD	00010	01.95	33.32	26.65	00.014	1455.9							
	OBS	00011	01.95	33.32	26.65		1455.9							
	STD	00020	01.96	33.34	26.67	00.028	1456.1							
	OBS	00020	01.96	33.34	26.67		1456.2							
	STD	00030	01.96	33.34	26.67	00.042	1456.4							
	OBS	00030	01.96	33.34	26.67		1456.4							
	STD	00050	01.90	33.52	26.82	00.068	1456.6							
	OBS	00051	01.89	33.54	26.83		1456.6							
	STD	00075	01.49	33.95	27.19	00.094	1455.8							
	OBS	00078	01.47	33.99	27.22		1455.8							
	STD	00100	01.56	34.14	27.34	00.115	1456.7							
	OBS	00102	01.55	34.16	27.35		1456.8							
	STD	00125	01.68	34.31	27.46	00.132	1457.5							
	OBS	00125	01.68	34.31	27.47		1458.0							
	STD	00150	01.84	34.34	27.48	00.148	1456.1							
	OBS	00150	01.84	34.34	27.48		1459.1							
	STD	00175	02.15	34.42	27.52	00.177	1461.0							
	OBS	00175	02.15	34.42	27.52		1461.0							
	STD	00200	02.28	34.46	27.54	00.177	1462.1							
	OBS	00203	02.31	34.47	27.54		1462.2							
	STD	00226	02.51	34.52	27.57	00.204	1463.6							
	OBS	00226	02.51	34.52	27.57		1463.6							
	STD	00250	02.48	34.56	27.60	00.204	1463.9							
	OBS	00251	02.48	34.56	27.60		1463.9							
	STD	00276	02.53	34.58	27.61	00.230	1464.6							
	OBS	00300	02.51	34.58	27.62		1464.9							
	STD	00300	02.51	34.59	27.62	00.230	1464.9							
	OBS	00314	03.51	34.80	27.66		1471.4							
	STD	00350	03.96	34.82	27.67	00.278	1472.1							
	OBS	00400	03.96	34.84	27.68		1473.1							
	STD	00401	03.96	34.84	27.68	00.278	1473.1							
	OBS	00451	04.02	34.87	27.70		1474.2							
	STD	00500	03.99	34.87	27.71	00.323	1474.9							
	OBS	00500	03.95	34.87	27.71		1474.9							
	STD	00550	04.01	34.89	27.72	00.367	1475.8							
	OBS	00600	03.98	34.90	27.73		1476.5							
	STD	00605	03.97	34.90	27.73	00.410	1476.6							
	OBS	00651	03.81	34.88	27.73		1476.6							
	STD	00700	03.62	34.86	27.74	00.453	1476.6							
	OBS	00704	03.62	34.86	27.74		1476.7							
	STD	00750	03.74	34.89	27.75	00.453	1478.0							
	OBS	00800	03.67	34.88	27.75		1478.5							
	STD	00801	03.67	34.88	27.75	00.453	1478.6							
	OBS	00852	03.56	34.87	27.75		1478.9							
	STD	00900	03.53	34.88	27.76	00.453	1479.6							
	OBS	00900	03.53	34.88	27.76		1479.6							
	STD	00951	03.49	34.88	27.76	00.538	1480.3							
	OBS	01000	03.47	34.88	27.77		1481.0							
	STD	01003	03.47	34.88	27.77	00.538	1481.1							
	OBS	01050	03.46	34.88	27.77		1481.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01829	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CDMSEC 0017	MONTH 05	SHIP EV	WET BULB 03.1	21 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 44 46.5N	DAY 27	DATA USE 1	BARCHETR 1017.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 50.5W	HOUR 16.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 796 12	1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.1	STD	00000	00.45	32.93	26.44	00.000	1448.5							
	OBS	00003	00.45	32.93	26.44		1448.5							
	STD	00010	00.43	32.92	26.43	00.016	1448.5							
	OBS	00011	00.42	32.92	26.43		1448.5							
	STD	00020	00.36	32.93	26.44	00.032	1448.4							
	OBS	00020	00.36	32.93	26.44		1448.4							
	STD	00030	00.32	32.95	26.46	00.048	1448.4							
	OBS	00030	00.32	32.95	26.46		1448.4							
	STD	00050	00.29	32.97	26.47	00.075	1448.4							
	OBS	00051	00.25	32.98	26.49		1448.5							
	OBS	00053	00.19	33.00	26.51		1448.3							
	OBS	00057	- 0.23	33.06	26.57		1448.5							
	OBS	00068	- 1.15	33.14	26.67		1442.5							
	OBS	00070	- 1.18	33.23	26.75		1442.5							
	STD	00075	- 1.12	33.26	26.77	00.115	1442.9							
	OBS	00076	- 1.10	33.27	26.78		1443.0							
	STD	00100	- 0.73	33.43	26.90	00.146	1445.4							
	OBS	00100	- 0.71	33.44	26.90		1445.5							
	STD	00125	- 0.09	33.64	27.04	00.173	1445.1							
	OBS	00127	- 0.03	33.66	27.05		1449.4							
	STD	00150	00.45	33.80	27.14	00.167	1452.1							
	OBS	00154	00.51	33.82	27.15		1452.5							
	OBS	00175	00.70	33.87	27.18		1453.8							
	STD	00200	00.95	33.95	27.23	00.242	1455.5							
	OBS	00201	00.97	33.96	27.23		1455.6							
	OBS	00228	01.18	34.07	27.31		1457.1							
	OBS	00241	01.25	34.12	27.34		1457.7							
	STD	00250	01.45	34.32	27.47	00.275	1459.5							
	OBS	00251	01.70	34.34	27.46		1460.2							
	OBS	00276	02.00	34.41	27.52		1462.0							
	STD	00300	02.11	34.46	27.55	00.305	1462.9							
	OBS	00300	02.11	34.46	27.55		1463.0							
	OBS	00352	02.11	34.47	27.56		1463.8							
	STD	00400	02.19	34.50	27.58	00.364	1465.0							
	OBS	00403	02.20	34.50	27.58		1465.1							
	OBS	00453	02.31	34.53	27.59		1466.4							
	STD	00500	02.70	34.64	27.65	00.415	1465.1							
	OBS	00502	02.72	34.65	27.65		1465.2							
	OBS	00552	03.20	34.76	27.70		1472.2							
	STD	00600	03.48	34.81	27.71	00.461	1474.3							
	OBS	00603	03.49	34.81	27.71		1474.4							
	OBS	00652	03.54	34.83	27.72		1475.5							
	STD	00700	03.54	34.85	27.74	00.505	1476.3							
	OBS	00700	03.54	34.85	27.74		1476.3							
	OBS	00750	03.54	34.85	27.74		1477.1							
	STD	00800	03.53	34.86	27.74	00.548	1477.9							
	OBS	00801	03.53	34.86	27.74		1477.9							
	OBS	00850	03.51	34.86	27.75		1478.7							
	STD	00900	03.47	34.86	27.75	00.551	1479.3							
	OBS	00902	03.47	34.86	27.75		1479.4							
	OBS	00951	03.44	34.86	27.75		1480.1							
	STD	01000	03.42	34.87	27.76	00.634	1480.8							
	OBS	01005	03.42	34.87	27.76		1480.5							
	OBS	01048	03.42	34.87	27.76		1481.8							

REFID 31 8463	YEAR 1975	BOTOP 00178	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CDMSEC 0018	MONTH 05	SHIP EV	WET BULB 03.8	21 2 2	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 44 51.5N	DAY 27	DATA USE 1	BARCHETR 1017.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 05.0W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 797 11	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	STD	00000	00.91	32.88	26.37	00.000	1450.5							
	OBS	00003	00.91	32.88	26.37		1450.6							
	OBS	00007	00.88	32.87	26.36		1450.5							
	STD	00010	00.84	32.88	26.38	00.017	1450.4							
	OBS	00011	00.82	32.89	26.38		1450.3							
	STD	00020	00.68	32.88	26.38	00.033	1449.8							
	OBS	00020	00.67	32.88	26.38		1449.8							
	STD	00030	00.62	32.89	26.39	00.050	1449.7							
	OBS	00030	00.62	32.89	26.40		1449.7							
	OBS	00038	00.55	32.88	26.39		1449.5							
	OBS	00045	00.34	32.91	26.43		1448.7							
	STD	00050	00.07	32.94	26.46	00.082	1447.6							
	OBS	00053	- 0.10	32.96	26.49		1446.9							
	STD	00075	- 0.48	33.03	26.56	00.120	1445.6							
	OBS	00076	- 0.49	33.03	26.56		1445.5							
	STD	00100	- 0.54	33.10	26.62	00.156	1445.8							
	OBS	00102	- 0.56	33.11	26.63		1445.8							
	STD	00125	- 0.87	33.17	26.69	00.191	1444.8							
	OBS	00125	- 0.88	33.17	26.69		1444.7							
	OBS	00140	- 1.10	33.20	26.72		1444.0							
	STD	00150	- 0.98	33.32	26.81	00.224	1444.3							
	OBS	00150	- 0.97	33.32	26.81		1444.9							
	OBS	00175	- 0.74	33.40	26.87		1446.5							
	OBS	00177	- 0.74	33.41	26.88		1446.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 00085	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SG 1306
CONSEC 0019	MONTH 05	SHIP EV	WET BULB 04.2	17 2 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 53.5N	DAY 27	DATA USE 1	BAROMETER 1016.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 15.0W	HOUR 19.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 750 15	1 SQUARE 45

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
19.3	STD	00000	01.14	32.92	26.39	00.000	1451.6							
	CBS	00000	01.14	32.92	26.39		1451.6							
	STD	00010	00.90	32.92	26.40	00.016	1450.7							
	OBS	00010	00.90	32.92	26.40		1450.7							
	STD	00020	00.90	32.93	26.41	00.033	1450.8							
	OBS	00020	00.90	32.93	26.41		1450.8							
	STD	00030	00.85	32.93	26.41	00.049	1450.8							
	OBS	00030	00.85	32.93	26.41		1450.8							
	STD	00050	00.75	32.93	26.42	00.081	1450.7							
	OBS	00050	00.75	32.93	26.42		1450.7							
	OBS	00065	00.20	32.97	26.48		1448.5							

REFID 31 0463	YEAR 1975	BOTOP 00060	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SG 1306
CONSEC 0020	MONTH 05	SHIP EV	WET BULB 03.7	25 3 4	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2
LAT 44 33.5N	DAY 27	DATA USE 1	BAROMETER 1016.0	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 12.5W	HOUR 21.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 795 10	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
21.5	STD	00000	01.13	32.85	26.33	00.000	1451.4							
	OBS	00001	01.13	32.85	26.33		1451.5							
	OBS	00005	01.02	32.84	26.33		1451.0							
	STD	00010	00.97	32.85	26.34	00.017	1450.9							
	OBS	00011	00.96	32.85	26.34		1450.9							
	STD	00020	00.95	32.85	26.34	00.034	1451.0							
	OBS	00020	00.95	32.85	26.34		1451.0							
	STD	00030	00.87	32.86	26.36	00.051	1450.8							
	OBS	00030	00.86	32.86	26.36		1450.7							
	OBS	00047	00.00	32.54	26.47		1447.2							
	STD	00050	- 0.04	32.95	26.48	00.083	1447.1							
	OBS	00051	- 0.05	32.96	26.49		1447.1							

REFID 31 0463	YEAR 1975	BOTOP 00053	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SG 1306
CONSEC 0021	MONTH 05	SHIP EV	WET BULB 03.8	99 X X	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 44 20.5N	DAY 27	DATA USE 1	BAROMETER 1015.9	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 14.5W	HOUR 23.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 800	1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	STD	00000	01.16	32.83	26.32	00.000	1451.6							
	OBS	00001	01.16	32.83	26.32		1451.6							
	STD	00010	01.08	32.81	26.31	00.017	1451.3							
	OBS	00011	01.05	32.81	26.31		1451.2							
	STD	00020	00.78	32.81	26.32	00.034	1450.1							
	OBS	00020	00.75	32.81	26.32		1450.0							
	STD	00030	00.42	32.87	26.39	00.051	1448.8							
	OBS	00032	00.38	32.88	26.40		1448.6							
	OBS	00040	00.36	32.85	26.41		1448.7							
	OBS	00043	00.36	32.89	26.41		1448.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463 YEAR 1975 BOTDP 00422 AIR TEMP 03.9 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN 60 1304
 CONSEC 0022 MONTH 05 SHIP EV MET BULB 03.9 12 2 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2
 LAT 44 06.0N DAY 28 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 48
 LONG 049 13.2W HOUR 02.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORFS 011 801 1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.0	STD	00000	00.84	32.84	26.34	00.000	1450.1							
	OBS	00001	00.84	32.84	26.34		1450.2							
	OBS	00003	00.86	32.83	26.33		1450.3							
	STD	00010	00.85	32.84	26.34	00.017	1450.3							
	OBS	00011	00.83	32.84	26.34		1450.3							
	STD	00020	00.82	32.84	26.34	00.034	1449.4							
	OBS	00020	00.99	32.84	26.34		1449.3							
	STD	00030	00.29	32.90	26.42	00.050	1448.2							
	OBS	00030	00.26	32.90	26.42		1448.1							
	OBS	00034	- 0.15	32.95	26.48		1448.4							
	STD	00050	- 0.35	33.01	26.54	00.082	1445.7							
	OBS	00051	- 0.36	33.01	26.54		1445.7							
	STD	00075	- 0.40	33.04	26.56	00.119	1445.9							
	OBS	00076	- 0.41	33.04	26.57		1445.9							
	STD	00100	- 0.70	33.14	26.65	00.155	1445.1							
	OBS	00100	- 0.70	33.14	26.66		1445.1							
	STD	00125	- 0.61	33.23	26.72	00.186	1446.1							
	OBS	00125	- 0.61	33.23	26.73		1446.1							
	OBS	00144	- 0.84	33.34	26.82		1445.5							
	STD	00150	- 0.81	33.35	26.83	00.220	1445.7							
	OBS	00152	- 0.80	33.36	26.84		1445.8							
	OBS	00177	- 0.56	33.46	26.91		1447.5							
	STD	00200	- 0.25	33.58	27.00	00.277	1449.5							
	OBS	00201	- 0.23	33.59	27.00		1449.6							
	OBS	00226	00.02	33.64	27.03		1451.2							
	STD	00250	00.32	33.77	27.12	00.328	1453.2							
	OBS	00251	00.34	33.78	27.13		1453.3							
	OBS	00276	00.88	33.96	27.24		1456.4							
	STD	00300	01.42	34.13	27.34	00.370	1459.4							
	OBS	00304	01.60	34.22	27.40		1460.4							
	OBS	00312	01.96	34.41	27.52		1462.4							
	OBS	00316	02.34	34.45	27.53		1464.2							
	OBS	00333	02.53	34.53	27.57		1465.4							
	OBS	00334	03.04	34.66	27.63		1467.9							
	OBS	00350	03.10	34.70	27.66		1468.4							
	OBS	00390	03.28	34.74	27.67		1469.9							

REFID 31 8463 YEAR 1975 BOTDP 00104 AIR TEMP 05.5 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN 60 1306
 CONSEC 0023 MONTH 05 SHIP EV MET BULB 05.5 08 1 2 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2
 LAT 44 05.0N DAY 28 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
 LONG 049 05.0W HOUR 03.3 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORFS 011 802 1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.3	STD	00000	00.84	32.82	26.33	00.000	1450.1							
	OBS	00007	00.84	32.82	26.33		1450.2							
	STD	00010	00.84	32.82	26.33	00.017	1450.3							
	OBS	00011	00.84	32.82	26.33		1450.3							
	STD	00020	00.79	32.82	26.33	00.034	1450.2							
	OBS	00020	00.79	32.82	26.33		1450.2							
	OBS	00024	00.81	32.81	26.32		1450.4							
	STD	00030	00.74	32.84	26.35	00.051	1450.2							
	OBS	00030	00.73	32.84	26.35		1450.1							
	OBS	00047	- 0.23	32.93	26.47		1446.1							
	STD	00050	- 0.30	32.96	26.50	00.083	1445.9							
	OBS	00051	- 0.34	32.98	26.51		1445.8							
	STD	00075	- 0.94	33.17	26.69	00.120	1443.4							
	OBS	00076	- 0.95	33.18	26.70		1443.4							
	OBS	00097	- 0.86	33.33	26.82		1444.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01432	AIR TEMP 05.4	DIR MGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0024	MONTH 03	SHIP EV	WET BULB 05.4	14 2 3	WIND-SPD 16	TRACE CIR 0	5 SQUARE 2
LA 44 05.0N	DAY 28	DATA USE 1	SARCHETR 1009.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 52.0W	HOOR 04.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X6	DRY 011 803	1 SQUARE 48

CASHTM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OKYG	PD4	TOT T	Q02	Q03	SIG3	PH
04.8	STD	C0000	00.93	32.82	26.32	00.000	1450.5							
	OBS	00001	00.93	32.82	26.32		1450.5							
	STD	00010	00.91	32.82	26.33	00.017	1450.6							
	OBS	00011	00.89	32.83	26.33		1450.5							
	STD	00020	00.86	32.90	26.40	00.034	1449.7							
	OBS	00020	00.84	32.91	26.41		1449.7							
	STD	00030	00.52	32.96	26.46	00.050	1449.3							
	OBS	C0030	00.51	32.96	26.46		1449.3							
	OBS	00045	- 0.02	32.91	26.44		1447.0							
	OBS	00049	- 1.11	33.03	26.58		1442.2							
	STD	00050	- 1.14	33.05	26.60	00.080	1442.1							
	OBS	00051	- 1.22	33.11	26.65		1441.8							
	OBS	00062	- 1.45	33.22	26.75		1441.1							
	STD	00075	- 1.33	33.28	26.79	00.114	1441.5							
	OBS	00076	- 1.32	33.28	26.79		1442.0							
	STD	00100	- 1.01	33.38	26.86	00.145	1444.0							
	OBS	00100	- 1.00	33.38	26.86		1444.1							
	STD	00125	- 0.59	33.48	26.93	00.174	1446.5							
	OBS	00125	- 0.58	33.48	26.93		1446.6							
	STD	00150	- 0.23	33.58	26.99	00.201	1448.8							
	OBS	00150	- 0.22	33.58	26.99		1448.8							
	OBS	00175	00.21	33.72	27.08		1451.4							
	STD	00200	00.61	33.86	27.18	00.251	1453.8							
	OBS	00203	00.67	33.89	27.20		1454.2							
	OBS	00228	01.14	34.11	27.34		1457.0							
	STD	00250	01.57	34.26	27.44	00.290	1459.5							
	OBS	00251	01.59	34.27	27.44		1459.6							
	OBS	00276	01.77	34.33	27.47		1460.5							
	STD	00300	02.00	34.41	27.52	00.321	1462.4							
	OBS	00302	02.02	34.42	27.53		1462.5							
	OBS	00350	02.42	34.54	27.59		1465.2							
	OBS	00382	03.01	34.70	27.67		1468.5							
	STD	00400	03.06	34.72	27.67	00.373	1469.2							
	OBS	00403	03.10	34.72	27.67		1469.3							
	OBS	00451	03.28	34.75	27.68		1470.5							
	STD	C0500	03.36	34.77	27.69	00.419	1472.1							
	OBS	00502	03.36	34.77	27.69		1472.1							
	OBS	C0550	03.36	34.78	27.70		1472.9							
	STD	00600	03.47	34.82	27.72	00.463	1474.3							
	OBS	00601	03.47	34.82	27.72		1474.3							
	OBS	00652	03.53	34.83	27.72		1475.4							
	STD	00700	03.54	34.84	27.73	00.507	1476.3							
	OBS	00700	03.54	34.84	27.73		1476.3							
	OBS	00750	03.56	34.85	27.73		1477.2							
	STD	00800	03.56	34.85	27.73	00.551	1478.0							
	OBS	00801	03.56	34.85	27.73		1478.0							
	OBS	00852	03.56	34.86	27.74		1478.9							
	STD	00900	03.54	34.86	27.74	00.595	1479.6							
	OBS	00904	03.54	34.86	27.74		1479.7							
	OBS	00931	03.53	34.87	27.75		1480.4							
	STD	01000	03.51	34.87	27.75	00.635	1481.2							
	OBS	01003	03.51	34.87	27.75		1481.2							
	OBS	01005	03.51	34.86	27.75		1481.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0463	YEAR 1975	BOTDP 01450	AIR TEMP 03.4	DIR HGT PER	WIND-DIR 21	INST STC RECORDER	TEN S4 1906							
CONSEC 0025	MONTH 05	S-IP EV	WET BULB 03.6	21 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2							
LA 44 05.0M	DAY 28	DATA USE 1	BAROMETER 1009.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 39.0M	MOJ 06.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 804	1 SQUARE 48							
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.7	STD	00000	01.86	33.14	26.52	00.000	1455.1							
	OBS	00003	01.86	33.14	26.52		1455.2							
	STD	00010	01.84	33.15	26.52	00.015	1455.2							
	OBS	00011	01.84	33.15	26.53		1455.2							
	STD	00020	01.83	33.17	26.54	00.030	1455.3							
	OBS	00020	01.83	33.17	26.54		1455.3							
	STD	00030	01.82	33.26	26.61	00.045	1455.6							
	OBS	00030	01.82	33.26	26.61		1455.6							
	OBS	00036	01.59	33.28	26.65		1454.7							
	STD	00050	01.50	33.50	26.83	00.072	1454.8							
	OBS	00051	01.49	33.51	26.84		1454.8							
	OBS	00057	01.56	33.54	26.86		1455.3							
	OBS	00068	00.72	33.56	26.93		1451.7							
	OBS	00070	00.89	33.55	26.94		1452.5							
	STD	00075	00.82	33.60	26.95	00.101	1452.3							
	OBS	00076	00.81	33.60	26.95		1452.3							
	STD	00100	00.99	33.77	27.08	00.127	1453.7							
	OBS	00100	00.99	33.78	27.09		1453.8							
	OBS	00108	00.98	33.51	27.19		1454.0							
	OBS	00118	01.66	34.14	27.33		1457.5							
	OBS	00121	02.55	34.20	27.31		1461.6							
	OBS	00123	02.76	34.23	27.31		1462.6							
	STD	00125	02.78	34.24	27.32	00.145	1462.7							
	OBS	00125	02.79	34.24	27.32		1462.7							
	STD	00150	03.00	34.33	27.37	00.168	1464.2							
	OBS	00150	03.01	34.33	27.37		1464.2							
	OBS	00169	03.32	34.43	27.42		1466.0							
	OBS	00177	03.28	34.46	27.45		1466.0							
	STD	00200	03.49	34.54	27.50	00.202	1467.4							
	OBS	00201	03.51	34.55	27.50		1467.5							
	OBS	00226	03.81	34.63	27.53		1469.3							
	OBS	00241	04.15	34.71	27.56		1471.1							
	STD	00250	04.07	34.70	27.56	00.231	1470.9							
	OBS	00251	04.06	34.70	27.56		1470.8							
	OBS	00276	04.05	34.76	27.61		1471.3							
	STD	00300	04.39	34.82	27.62	00.258	1473.2							
	OBS	00300	04.40	34.82	27.62		1473.2							
	OBS	00352	04.46	34.87	27.65		1474.4							
	STD	00400	04.54	34.92	27.68	00.306	1475.6							
	OBS	00403	04.55	34.92	27.68		1475.7							
	OBS	00451	04.05	34.84	27.68		1474.3							
	STD	00500	04.15	34.90	27.71	00.352	1475.6							
	OBS	00500	04.15	34.90	27.71		1475.6							
	OBS	00552	04.08	34.90	27.72		1476.2							
	STD	00600	04.03	34.51	27.73	00.395	1476.8							
	OBS	00603	04.03	34.51	27.73		1476.8							
	OBS	00652	03.97	34.91	27.74		1477.4							
	STD	00700	03.96	34.93	27.76	00.438	1478.2							
	OBS	00700	03.96	34.93	27.76		1478.2							
	OBS	00750	03.94	34.92	27.75		1478.5							
	STD	00800	03.83	34.51	27.75	00.480	1475.3							
	OBS	00801	03.83	34.51	27.75		1475.3							
	OBS	00850	03.81	34.91	27.76		1480.0							
	STD	00900	03.72	34.91	27.76	00.523	1480.4							
	OBS	00900	03.72	34.91	27.77		1480.5							
	OBS	00951	03.65	34.51	27.77		1481.0							
	STD	01000	03.65	34.91	27.77	00.565	1481.8							
	OBS	01001	03.65	34.91	27.77		1481.8							
	OBS	01048	03.63	34.91	27.77		1482.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA														
REFID 31 8463	YEAR 1975	BOTOP 03175	AIR TEMP 04.7	DIA HGT PER	WIND-DIR 25	INST STD RECORDER	TEM SO 1306							
COMSEC 0028	MONTH 05	SNIP EV	WET BULB 04.6	25 2 3	WIND-SPD 17	TRACE DIR	5 SQUARE 2							
LAT 44 04.7N	DAY 28	DATA USE 1	BAROMETER 1010.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 24.2W	MOOR 08.7	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	DRIS 011 805	1 SQUARE 48							
								-						
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
08.7	STD	00000	03.69	33.23	26.43	00.000	1463.2							
	OBS	00001	03.65	33.23	26.43		1463.2							
	STD	00010	03.60	33.23	26.44	00.016	1462.5							
	OBS	00011	03.56	33.22	26.44		1462.5							
	OBS	00015	03.42	33.20	26.43		1462.8							
	STD	00020	03.11	33.22	26.48	00.032	1461.0							
	OBS	00020	03.07	33.22	26.48		1460.8							
	STD	00030	02.92	33.23	26.50	00.047	1460.4							
	OBS	00030	02.90	33.23	26.51		1460.3							
	OBS	00043	01.65	33.33	26.68		1455.1							
	OBS	00045	00.82	33.34	26.75		1451.5							
	OBS	00049	00.25	33.42	26.84		1449.1							
	STD	00050	00.18	33.42	26.84	00.075	1448.8							
	OBS	00053	- 0.19	33.42	26.86		1447.1							
	OBS	00057	- 0.45	33.51	26.95		1446.1							
	OBS	00062	- 0.18	33.60	27.01		1447.6							
	OBS	00064	00.24	33.68	27.05		1449.6							
	STD	00075	00.38	33.79	27.14	00.102	1450.6							
	OBS	00076	00.40	33.82	27.15		1450.7							
	OBS	00078	01.00	33.87	27.16		1453.5							
	OBS	00085	01.05	33.98	27.24		1454.1							
	OBS	00086	01.90	34.08	27.26		1458.0							
	OBS	00093	03.06	34.19	27.26		1463.3							
	STD	00100	03.70	34.27	27.26	00.124	1466.3							
	OBS	00102	03.73	34.30	27.28		1466.5							
	OBS	00104	03.67	34.28	27.27		1466.2							
	OBS	00108	03.08	34.22	27.28		1463.7							
	OBS	00110	02.76	34.17	27.27		1462.3							
	STD	00125	03.32	34.37	27.37	00.143	1465.2							
	OBS	00125	03.33	34.37	27.37		1465.2							
	OBS	00140	03.24	34.38	27.39		1465.1							
	OBS	00144	03.67	34.46	27.41		1467.1							
	OBS	00148	03.02	34.38	27.41		1464.3							
	STD	00150	02.93	34.37	27.41	00.161	1463.9							
	OBS	00150	02.91	34.37	27.41		1463.9							
	OBS	00175	02.55	34.40	27.47		1462.7							
	OBS	00180	02.74	34.45	27.45		1463.9							
	OBS	00188	02.96	34.46	27.48		1465.0							
	STD	00200	03.01	34.53	27.53	00.193	1465.1							
	OBS	00201	03.08	34.57	27.56		1465.7							
	OBS	00207	03.50	34.59	27.53		1467.6							
	OBS	00213	03.51	34.55	27.53		1467.7							
	OBS	00217	04.05	34.68	27.55		1470.2							
	OBS	00226	03.88	34.63	27.53		1469.6							
	OBS	00232	03.67	34.61	27.55		1467.9							
	OBS	00234	03.45	34.64	27.58		1467.9							
	OBS	00237	04.10	34.74	27.59		1470.8							
	STD	00250	04.05	34.72	27.58	00.221	1470.8							
	OBS	00251	04.05	34.72	27.58		1470.8							
	OBS	00276	04.23	34.78	27.61		1472.1							
	OBS	00283	04.28	34.79	27.61		1472.4							
	OBS	00287	04.50	34.84	27.63		1473.5							
	STD	00300	04.53	34.83	27.62	00.247	1473.8							
	OBS	00300	04.53	34.83	27.62		1473.8							
	OBS	00331	04.03	34.78	27.63		1472.1							
	OBS	00335	04.58	34.87	27.64		1474.6							
	OBS	00352	04.55	34.88	27.65		1474.8							
	OBS	00354	04.39	34.84	27.64		1474.1							
	STD	00400	04.45	34.91	27.68	00.296	1475.4							
	OBS	00401	04.45	34.91	27.68		1475.4							
	OBS	00451	04.48	34.92	27.69		1478.2							
	STD	00500	04.46	34.93	27.70	00.342	1476.5							
	OBS	00502	04.46	34.93	27.70		1477.0							
	OBS	00550	04.35	34.94	27.72		1477.3							
	STD	00600	04.19	34.93	27.73	00.387	1477.5							
	OBS	00601	04.19	34.93	27.73		1477.5							
	OBS	00651	04.42	34.98	27.75		1479.3							
	STD	00700	04.44	34.99	27.75	00.430	1480.2							
	OBS	00700	04.44	34.99	27.75		1480.2							
	OBS	00750	04.19	34.96	27.76		1480.0							
	STD	00800	04.22	34.98	27.77	00.473	1481.0							
	OBS	00803	04.22	34.98	27.77		1481.0							
	OBS	00852	04.12	34.97	27.77		1481.4							
	STD	00900	04.08	34.97	27.78	00.515	1482.0							
	OBS	00902	04.08	34.97	27.78		1482.1							
	OBS	00953	04.05	34.97	27.78		1482.1							
	STD	01000	03.97	34.97	27.79	00.557	1483.3							
	OBS	01003	03.97	34.97	27.79		1483.3							
	OBS	01054	03.95	34.97	27.79		1484.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA																			
REFID	31	8463	YEAR	1975	SHIP	EV	SHIP	EV	SHIP	AIR TEMP	05.6	DIR HGT	PER	WIND-DIR	25	INST	STD	RECORDER	TRN
CONSEC	0027		MONTH	05	SHIP	EV	SHIP	EV	SHIP	WET BULB	05.6	16	2	WIND-SPD	10	TRACE	DIR	D	5
LA"	44	06.0N	DAY	28	DATA	USE	1	05	05	BAROMETR	1010.6	SEA		WIND-FCR		DURATION		00.5	2
LONG	048	10.0E	HOUR	10.7	AREA					CLUD	T/A	CL/TA		WEATHER	X4	ONLS	011	006	1
CASNUM/TIME	LVL	TP	DEPTH	TEMP	SAL	SIGMA-T	DYNP	VEL	DXVC	PD4	TOT	NO2	NO3	S103	PH				
10.7	STD		00000	03.45	33.12	26.37	00.000	1462.0											
	OBS		00003	03.45	33.12	26.37		1462.1											
	STD		00010	03.40	33.10	26.36	00.017	1461.6											
	OBS		00011	03.39	33.10	26.36		1461.9											
	STD		00020	03.38	33.11	26.37	00.033	1462.0											
	OBS		00020	03.34	33.11	26.37		1461.8											
	OBS		00024	03.08	33.04	26.34		1460.7											
	STD		00030	02.05	33.09	26.47	00.050	1456.4											
	OBS		00030	02.02	33.13	26.50		1456.3											
	OBS		00032	01.99	33.31	26.64		1456.4											
	OBS		00036	04.36	33.49	26.5700													
	OBS		00040	04.42	33.56	26.620													
	OBS		00045	01.90	33.33	26.67		1456.3											
	OBS		00049	01.81	33.45	26.77		1456.1											
	STD		00050	01.85	33.47	26.78	00.078	1456.3											
	OBS		00051	01.95	33.53	26.82		1456.9											
	OBS		00059	02.43	33.64	26.87		1459.3											
	OBS		00060	02.17	33.63	26.88		1458.1											
	OBS		00066	02.15	33.68	26.93		1458.2											
	OBS		00068	01.84	33.65	26.93		1458.8											
	OBS		00074	00.67	33.67	27.02		1451.7											
	STD		00075	00.83	33.69	27.03	00.107	1452.5											
	OBS		00076	01.02	33.72	27.04		1453.4											
	OBS		00081	01.23	33.75	27.05		1454.5											
	OBS		00085	00.62	33.64	27.00		1451.6											
	OBS		00089	00.37	33.73	27.08		1450.7											
	OBS		00099	00.80	33.84	27.15		1453.0											
	STD		00100	00.96	33.87	27.16	00.132	1453.8											
	OBS		00100	01.14	33.90	27.17		1454.6											
	OBS		00116	02.02	34.02	27.21		1458.5											
	STD		00125	01.90	34.06	27.25	00.153	1458.6											
	OBS		00125	01.89	34.07	27.26		1458.6											
	OBS		00129	02.04	34.12	27.25		1459.4											
	OBS		00135	02.46	34.18	27.30		1461.4											
	OBS		00139	03.10	34.27	27.32		1464.3											
	STD		00150	03.52	34.39	27.37	00.173	1466.5											
	OBS		00150	03.53	34.39	27.37		1466.5											
	OBS		00154	03.60	34.36	27.36		1466.6											
	OBS		00156	03.24	34.33	27.35		1465.3											
	OBS		00161	03.35	34.36	27.36		1465.9											
	OBS		00165	03.67	34.42	27.38		1467.4											
	OBS		00175	03.47	34.39	27.38		1466.7											
	OBS		00182	03.01	34.36	27.40		1464.8											
	STD		00200	02.85	34.38	27.42	00.208	1464.4											
	OBS		00203	02.77	34.38	27.43		1464.1											
	OBS		00205	02.72	34.36	27.42		1463.9											
	OBS		00211	03.01	34.43	27.45		1465.4											
	OBS		00217	03.15	34.46	27.46		1466.1											
	OBS		00222	02.77	34.41	27.46		1464.5											
	OBS		00226	02.70	34.39	27.45		1464.2											
	OBS		00232	02.86	34.41	27.45		1465.0											
	OBS		00236	02.74	34.44	27.48		1464.6											
	OBS		00245	02.57	34.54	27.54		1465.6											
	STD		00250	03.74	34.62	27.53	00.240	1469.4											
	OBS		00253	03.85	34.63	27.53		1469.9											
	OBS		00257	03.49	34.58	27.53		1468.4											
	OBS		00262	03.38	34.57	27.53		1468.0											
	OBS		00276	03.85	34.68	27.57		1470.3											
	OBS		00279	03.85	34.64	27.54		1470.3											
	OBS		00285	03.52	34.61	27.55		1469.0											
	OBS		00297	04.48	34.78	27.58		1473.5											
	STD		00300	04.49	34.77	27.57	00.268	1473.5											
	OBS		00300	04.49	34.77	27.57		1473.5											
	OBS		00302	04.44	34.77	27.58		1473.4											
	OBS		00310	03.88	34.69	27.57		1471.0											
	OBS		00312	03.83	34.69	27.58		1470.9											
	OBS		00342	03.64	34.71	27.61		1470.6											
	OBS		00346	03.65	34.73	27.63		1470.7											
	OBS		00350	03.97	34.76	27.62		1472.2											
	OBS		00359	03.90	34.75	27.62		1472.0											
	OBS		00395	04.24	34.86	27.67		1476.2											
	OBS		00399	04.52	34.92	27.69		1475.5											
	STD		00400	04.53	34.92	27.68	00.316	1475.5											
	OBS		00401	04.56	34.90	27.67		1475.7											
	OBS		00447	04.46	34.93	27.70		1476.1											
	OBS		00451	04.69	34.94	27.68		1477.1											
	OBS		00468	04.74	34.95	27.69		1477.6											
	STD		00500	04.78	34.97	27.70	00.365	1478.3											
	OBS		00500	04.78	34.97	27.70		1478.3											
	OBS		00530	04.73	34.99	27.72		1479.0											
	STD		00600	04.83	34.98	27.72	00.411	1479.3											
	OBS		00603	04.62	34.98	27.72		1479.4											
	OBS		00652	04.55	34.99	27.74		1479.9											
	STD		00700	04.49	34.99	27.75	00.455	1480.5											
	OBS		00700	04.49	34.99	27.75		1480.5											
	OBS		00750	04.39	34.95	27.76		1480.9											
	STD		00800	04.30	34.99	27.77	00.468	14											

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 03475	AIR TEMP 05.0	DIR MGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1306
CONSEC 0328	MONTH 05	SHIP EV	WET BULB 05.0	01 2 4	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 44 05.4N	DAY 28	DATA USE 1	BAPCHET 1009.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 347 57.0W	HOUR 12.8	AREA 05	CLOUD T/A	CL/TR	WEATHER K4	ORIG 011 807 13	1 SQUARE 47

CASHTNM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PD4	TOT 7	NO2	NO3	SIO3	PH
12.8	STD	00000	03.35	33.09	26.35	00.000	1461.5							
	ONS	00003	03.35	33.09	26.35		1461.6							
	ONS	00007	03.33	33.08	26.35		1461.5							
	STD	00010	03.33	33.08	26.35	00.017	1461.6							
	ONS	00013	03.33	33.11	26.37		1461.7							
	ONS	00015	03.31	33.14	26.40		1461.7							
	ONS	00017	03.35	33.18	26.43		1461.9							
	STD	00020	03.54	33.29	26.50	00.033	1463.0							
	ONS	00020	03.67	33.33	26.51		1463.6							
	ONS	00024	04.38	33.50	26.58		1466.8							
	STD	00030	04.93	33.63	26.62	00.048	1469.4							
	ONS	00030	04.97	33.64	26.62		1469.6							
	ONS	00045	05.42	33.76	26.67		1471.8							
	ONS	00047	05.46	33.93	26.80		1472.3							
	ONS	00049	07.13	34.19	26.78		1479.3							
	STD	00050	07.04	34.18	26.75	00.075	1478.5							
	ONS	00055	06.10	34.05	26.81		1475.1							
	ONS	00057	04.89	33.86	26.81		1470.0							
	ONS	00059	05.12	34.18	27.03		1471.4							
	ONS	00060	06.28	34.40	27.06		1476.4							
	ONS	00062	06.57	34.43	27.05		1477.6							
	ONS	00066	07.55	34.62	27.06		1481.8							
	STD	00075	07.52	34.60	27.05	00.104	1481.8							
	ONS	00076	07.52	34.60	27.05		1481.8							
	STD	00100	07.40	34.62	27.08	00.129	1481.8							
	ONS	00100	07.39	34.62	27.09		1481.7							
	ONS	00104	07.29	34.62	27.10		1481.4							
	ONS	00108	07.00	34.58	27.11		1480.3							
	STD	00125	07.37	34.69	27.14	00.154	1482.1							
	ONS	00125	07.38	34.69	27.14		1482.2							
	STD	00150	07.37	34.74	27.19	00.177	1482.6							
	ONS	00152	07.37	34.75	27.19		1482.7							
	ONS	00178	07.63	34.84	27.22		1484.2							
	ONS	00190	07.45	34.81	27.23		1483.7							
	ONS	00199	06.91	34.74	27.25		1481.6							
	STD	00200	06.91	34.74	27.25	00.222	1481.6							
	ONS	00201	06.87	34.76	27.27		1481.5							
	ONS	00205	06.86	34.77	27.28		1481.6							
	ONS	00218	07.14	34.83	27.29		1483.0							
	ONS	00222	06.93	34.82	27.31		1482.2							
	ONS	00226	06.92	34.83	27.32		1482.2							
	ONS	00230	06.67	34.79	27.32		1481.3							
	ONS	00237	06.14	34.65	27.31		1475.1							
	ONS	00241	04.92	34.50	27.31		1474.0							
	ONS	00245	04.42	34.50	27.37		1472.0							
	STD	00250	04.39	34.50	27.37	00.262	1471.9							
	ONS	00253	04.29	34.50	27.38		1471.6							
	ONS	00260	04.44	34.56	27.41		1472.4							
	ONS	00264	04.79	34.62	27.42		1474.0							
	ONS	00270	04.65	34.58	27.40		1473.5							
	ONS	00276	03.66	34.46	27.41		1469.2							
	ONS	00297	03.61	34.54	27.48		1469.5							
	STD	00300	03.68	34.55	27.49	00.296	1465.8							
	ONS	00302	03.77	34.57	27.49		1470.3							
	ONS	00310	04.19	34.62	27.49		1472.2							
	ONS	00323	04.30	34.67	27.51		1473.0							
	ONS	00331	04.62	34.71	27.51		1474.5							
	ONS	00346	04.49	34.73	27.54		1474.2							
	ONS	00358	05.07	34.85	27.57		1477.0							
	ONS	00371	05.28	34.88	27.57		1478.1							
	ONS	00382	04.08	34.72	27.58		1473.1							
	ONS	00394	04.13	34.74	27.59		1473.5							
	STD	00400	04.10	34.71	27.57	00.356	1473.5							
	ONS	00407	03.89	34.65	27.57		1472.7							
	ONS	00411	03.71	34.68	27.58		1472.0							
	ONS	00428	03.99	34.80	27.65		1473.6							
	ONS	00434	04.24	34.84	27.66		1474.8							
	ONS	00447	04.51	34.86	27.64		1476.2							
	ONS	00451	04.51	34.86	27.64		1476.2							
	STD	00500	04.65	34.91	27.67	00.409	1477.7							
	ONS	00500	04.65	34.91	27.67		1477.7							
	ONS	00531	04.60	34.93	27.69		1478.0							
	ONS	00538	04.83	34.99	27.71		1479.2							
	ONS	00550	04.83	34.97	27.69		1479.3							
	STD	00600	04.76	34.98	27.71	00.457	1479.9							
	ONS	00601	04.76	34.98	27.71		1479.9							
	ONS	00656	04.57	34.96	27.71		1480.0							
	STD	00700	04.58	34.98	27.73	00.503	1480.8							
	ONS	00704	04.58	34.98	27.73		1480.9							
	ONS	00753	04.51	34.99	27.74		1481.4							
	STD	00800	04.44	34.99	27.75	00.548	1481.9							
	ONS	00801	04.44	34.99	27.75		1481.9							
	ONS	00850	04.37	34.99	27.76		1482.5							
	STD	00900	04.28	34.98	27.76	00.592	1482.9							
	ONS	00900	04.28	34.98	27.76		1482.5							
	ONS	00953	04.21	34.98	27.77		1483.5							
	STD	01000	04.12	34.98	27.78	00.635	1483.9							
	ONS	01001	04.12	34.98	27.78		1483.9							
	ONS	01048	04.07	34.98	27.78		1484.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NEEDC STATION DATA															
REFID 31 0463	YEAR 1975	BOTOP 03522	AIR TEMP 07.5	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SO 1306								
CONSEC 0025	MONTH 05	SHIP EV	WET BULB 05.9	19 2 3	WIND-SPD 10	TRACE DIR	5 SQUARE 2								
LAT 44 20.8N	DAY 28	DATA USE 1	BAROMETR 100%5	SEA	WIND-FOR	DURATION	2 SQUARE 46								
LONG 047 55.5W	HOUR 15.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRG 011 808 1	1 SQUARE 47								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH	
STD	00000	06.09	33.79	26.61	00.000	1473.8									
OBS	00005	06.09	33.79	26.61		1473.9									
STD	00010	06.11	33.82	26.63	00.014	1474.1									
OBS	00011	06.11	33.83	26.64		1474.2									
OBS	00015	06.32	33.88	26.65		1475.1									
STD	00020	06.95	34.01	26.67	00.028	1477.9									
OBS	00020	07.18	34.08	26.69		1478.9									
OBS	00024	08.50	34.51	26.83		1484.6									
OBS	00026	08.38	34.50	26.84		1484.2									
OBS	00028	10.00	34.96	26.94		1490.8									
STD	00030	10.02	34.96	26.94	00.041	1490.9									
OBS	00038	10.31	34.95	26.88		1492.1									
OBS	00043	10.68	35.06	26.90		1493.6									
STD	00050	10.79	35.06	26.88	00.064	1494.1									
OBS	00051	10.81	35.06	26.88		1494.2									
STD	00075	11.01	35.13	26.90	00.094	1495.4									
OBS	00075	11.05	35.16	26.91		1495.7									
OBS	00087	11.10	35.21	26.94		1496.0									
OBS	00089	10.81	35.13	26.93		1494.6									
OBS	00097	10.15	35.07	27.00		1492.6									
STD	00100	10.11	35.08	27.02	00.122	1492.5									
OBS	00100	10.11	35.09	27.02		1492.6									
OBS	00108	10.31	35.16	27.04		1493.5									
OBS	00114	10.12	35.12	27.04		1492.8									
OBS	00119	10.10	35.13	27.06		1492.9									
STD	00125	09.54	35.08	27.05	00.149	1492.3									
OBS	00125	09.52	35.08	27.05		1492.3									
STD	00150	08.95	34.55	27.11	00.174	1488.6									
OBS	00152	08.92	34.52	27.09		1488.8									
OBS	00154	08.50	34.85	27.07		1488.7									
OBS	00167	08.58	34.83	27.07		1487.7									
OBS	00177	08.22	34.79	27.10		1486.4									
OBS	00178	07.76	34.71	27.10		1484.6									
OBS	00188	07.63	34.71	27.12		1484.2									
OBS	00190	08.03	34.84	27.16		1486.0									
STD	00200	08.10	34.85	27.16	00.223	1486.4									
OBS	00201	08.11	34.85	27.16		1486.5									
OBS	00207	07.75	34.75	27.17		1485.1									
OBS	00230	07.11	34.70	27.19		1482.9									
STD	00250	07.31	34.83	27.26	00.268	1484.1									
OBS	00251	07.32	34.84	27.27		1484.2									
OBS	00270	07.48	34.91	27.30		1485.2									
OBS	00276	07.35	34.50	27.31		1485.0									
OBS	00295	06.65	34.75	27.29		1482.2									
OBS	00298	06.05	34.71	27.34		1479.8									
STD	00300	05.99	34.71	27.35	00.305	1479.6									
OBS	00300	05.96	34.71	27.35		1479.5									
OBS	00310	05.85	34.82	27.45		1475.5									
OBS	00314	06.10	34.85	27.44		1480.4									
OBS	00316	06.55	34.92	27.44		1482.4									
OBS	00350	06.88	35.04	27.45		1484.4									
OBS	00376	06.45	35.00	27.51		1483.2									
STD	00400	05.53	34.89	27.55	00.378	1479.6									
OBS	00405	05.30	34.87	27.56		1478.7									
OBS	00409	05.48	34.92	27.58		1479.6									
OBS	00420	04.96	34.84	27.57		1477.6									
OBS	00456	05.31	34.94	27.61		1479.7									
STD	00500	05.27	34.96	27.63	00.435	1480.3									
OBS	00508	05.23	34.96	27.64		1480.3									
OBS	00550	04.90	34.95	27.67		1479.6									
STD	00600	04.89	34.98	27.69	00.485	1480.4									
OBS	00601	04.89	34.98	27.69		1480.5									
OBS	00656	04.51	34.95	27.71		1479.8									
STD	00700	04.49	34.95	27.71	00.532	1480.4									
OBS	00713	04.46	34.95	27.72		1480.5									
OBS	00750	04.32	34.96	27.74		1480.5									
STD	00800	04.45	34.99	27.75	00.578	1481.9									
OBS	00809	04.45	34.99	27.75		1482.1									
OBS	00854	04.37	34.99	27.76		1482.5									
STD	00900	04.28	34.98	27.76	00.622	1482.9									
OBS	00900	04.28	34.98	27.76		1482.9									
OBS	00955	04.08	34.96	27.77		1482.9									
STD	01000	03.94	34.95	27.77	00.665	1483.2									
OBS	01001	03.96	34.95	27.77		1483.2									
OBS	01027	03.90	34.94	27.77		1483.4									
OBS	01052	03.92	34.96	27.78		1483.9									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA															
REFID 31 8463	YEAR 1975	BOTDP 03292	AIR TEMP 05.0	DIR 1-GT PER	WIND-DIR 34	INST STC RECORDER	YEN SG 1304								
CONSEC 0330	MONTH 05	S-IP EV	MET BULB 05.0	20 2 4	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2								
LA" 44 20.0M	DAY 28	DATA USE 1	BAROMETR 1011.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48								
LONG 048 10.0M	HOOR 18.0	AREA 05	CLCUD T/A	CL/TA	WEATHER X4	CRIG 011 809 21	1 SQUARE 48								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OKYG	PO4	TOT #	NO2	NO3	SIO3	PH	
18.0	STD	00000	04.21	33.25	26.40	00.000	1465.4								
	OBS	00007	04.21	33.25	26.40		1465.5								
	STD	00010	04.20	33.25	26.40	00.016	1465.5								
	OBS	00011	04.20	33.25	26.40		1465.5								
	OBS	00013	04.14	33.24	26.40		1465.3								
	STD	00020	04.12	33.27	26.42	00.033	1465.4								
	OBS	00022	04.12	33.29	26.44		1465.4								
	STD	00030	04.13	33.34	26.47	00.049	1465.7								
	OBS	00030	04.13	33.34	26.48		1465.7								
	OBS	00036	03.99	33.38	26.52		1465.2								
	OBS	00038	04.45	33.48	26.55		1467.3								
	OBS	00043	04.35	33.54	26.61		1467.1								
	OBS	00049	04.58	33.65	26.67		1468.3								
	STD	00050	04.46	33.65	26.65	00.078	1467.8								
	OBS	00057	03.02	33.56	26.76		1461.7								
	OBS	00062	02.18	33.40	26.70		1457.9								
	OBS	00064	00.79	33.31	26.72		1451.6								
	OBS	00074	00.11	33.44	26.86		1448.9								
	STD	00075	00.44	33.47	26.87	00.110	1450.4								
	OBS	00076	00.77	33.49	26.87		1452.0								
	OBS	00079	00.76	33.48	26.86		1452.0								
	OBS	00083	- 0.32	33.54	26.96		1447.2								
	OBS	00087	- 0.34	33.49	26.93		1447.1								
	OBS	00093	- 0.36	33.60	27.00		1448.6								
	OBS	00095	00.68	33.70	27.04		1452.2								
	OBS	00099	01.02	33.75	27.06		1453.8								
	STD	00100	01.03	33.75	27.06	00.136	1453.9								
	OBS	00100	01.04	33.75	27.06		1453.9								
	OBS	00104	01.02	33.75	27.06		1453.9								
	OBS	00106	01.63	33.83	27.08		1456.8								
	OBS	00108	01.79	33.84	27.08		1457.5								
	OBS	00114	02.33	33.94	27.12		1460.1								
	OBS	00118	02.31	33.56	27.14		1460.1								
	STD	00125	02.57	34.06	27.16	00.162	1463.2								
	OBS	00125	03.06	34.08	27.17		1463.7								
	OBS	00127	03.35	34.17	27.21		1465.2								
	OBS	00135	03.47	34.17	27.20		1465.7								
	OBS	00142	03.56	34.29	27.25		1468.1								
	STD	00150	03.84	34.29	27.26	00.184	1467.7								
	OBS	00154	03.79	34.29	27.27		1467.5								
	OBS	00175	03.71	34.36	27.33		1467.6								
	OBS	00190	04.22	34.46	27.36		1470.2								
	OBS	00198	04.13	34.48	27.38		1470.0								
	STD	00200	04.32	34.51	27.39	00.223	1470.9								
	OBS	00203	04.43	34.57	27.40		1472.3								
	OBS	00226	04.94	34.68	27.45		1474.1								
	STD	00250	04.92	34.70	27.47	00.257	1474.4								
	OBS	00253	04.92	34.70	27.47		1474.4								
	OBS	00264	04.58	34.67	27.48		1473.2								
	OBS	00283	04.77	34.72	27.50		1474.4								
	OBS	00285	04.55	34.68	27.49		1473.5								
	STD	00300	03.76	34.64	27.55	00.288	1470.3								
	OBS	00300	03.73	34.64	27.55		1470.2								
	OBS	00308	03.58	34.62	27.55		1469.6								
	OBS	00310	03.63	34.65	27.57		1469.9								
	OBS	00317	04.53	34.81	27.60		1474.1								
	OBS	00321	04.60	34.80	27.58		1474.4								
	OBS	00333	05.22	34.93	27.62		1477.3								
	OBS	00346	05.60	34.58	27.61		1479.1								
	OBS	00354	05.62	34.99	27.61		1479.4								
	OBS	00361	05.44	34.99	27.61		1479.6								
	OBS	00369	05.25	34.51	27.60		1478.0								
	OBS	00378	04.95	34.92	27.63		1477.1								
	OBS	00388	04.65	34.87	27.63		1475.8								
	STD	00400	04.76	34.91	27.66	00.341	1476.5								
	OBS	00401	04.77	34.92	27.66		1476.6								
	OBS	00453	04.83	34.96	27.68		1477.7								
	OBS	00485	04.74	34.96	27.69		1477.9								
	STD	00500	04.81	35.00	27.72	00.388	1478.5								
	OBS	00502	04.82	35.01	27.73		1478.6								
	OBS	00555	04.73	34.98	27.71		1479.0								
	STD	00600	04.59	34.99	27.74	00.431	1479.2								
	OBS	00605	04.58	34.95	27.74		1479.3								
	OBS	00656	04.53	34.98	27.73		1479.9								
	STD	00700	04.44	34.95	27.75	00.475	1480.3								
	OBS	00702	04.44	34.99	27.75		1480.3								
	OBS	00750	04.42	34.99	27.75		1481.0								
	STD	00800	04.35	34.98	27.75	00.518	1481.5								
	OBS	00801	04.35	34.98	27.75		1481.5								
	OBS	00850	04.20	34.97	27.76		1481.7								
	STD	00900	04.14	34.97	27.77	00.561	1482.3								
	OBS	00904	04.13	34.97	27.77		1482.3								
	OBS	00953	04.05	34.96	27.77		1482.8								
	STD	01000	04.03	34.97	27.78	00.604	1483.5								
	OBS	01003	04.03	34.97	27.78		1483.5								
	OBS	01056	03.92	34.96	27.78		1484.0								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8463	YEAR 1975	80TDP 03167	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306							
CONSEC 0031	MONTH 05	SHIP EV	MET BULB 04.0	25 3 4	WIND-SPD 10	TRACE DIR	5 SQUARE 2							
LAT 44 19.5N	DAY 28	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48							
LONG 048 25.0W	MOOR 20.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRAG 011 810 09	1 SQUARE 48							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
20.0	STD	00000	02.79	33.22	26.51	00.000	1459.3							
	OBS	00003	02.75	33.22	26.51		1459.3							
	OBS	00005	02.76	33.21	26.50		1459.2							
	STD	00010	03.01	33.24	26.50	00.015	1460.4							
	OBS	00015	03.01	33.27	26.53		1460.6							
	OBS	00017	02.93	33.33	26.58		1460.3							
	STD	00020	03.00	33.34	26.58	00.030	1460.7							
	OBS	00026	03.15	33.35	26.58		1461.5							
	OBS	00028	03.35	33.31	26.53		1462.3							
	STD	00030	02.74	33.25	26.56	00.045	1459.6							
	OBS	00032	01.85	33.26	26.61		1455.7							
	OBS	00049	01.32	33.42	26.78		1453.9							
	STD	00050	01.17	33.43	26.79	00.073	1453.2							
	OBS	00051	00.80	33.45	26.83		1451.6							
	OBS	00060	00.63	33.65	27.04		1451.3							
	OBS	00068	01.73	33.90	27.13		1456.7							
	OBS	00072	01.85	33.95	27.16		1457.5							
	STD	00075	02.53	34.02	27.17	00.100	1460.5							
	OBS	00076	02.72	34.04	27.17		1461.3							
	OBS	00083	02.95	34.09	27.19		1462.5							
	OBS	00093	03.00	34.14	27.22		1463.0							
	OBS	00095	03.69	34.26	27.25		1466.1							
	STD	00100	04.20	34.34	27.27	00.122	1468.5							
	OBS	00102	04.40	34.38	27.27		1469.4							
	OBS	00114	04.51	34.42	27.29		1470.1							
	OBS	00119	04.05	34.40	27.33		1468.2							
	STD	00125	04.16	34.48	27.38	00.141	1468.9							
	OBS	00127	04.19	34.49	27.38		1469.1							
	OBS	00131	04.19	34.46	27.36		1469.1							
	OBS	00135	04.30	34.55	27.42		1469.7							
	OBS	00148	04.71	34.58	27.40		1471.7							
	STD	00150	04.69	34.58	27.40	00.159	1471.6							
	OBS	00154	04.64	34.58	27.40		1471.5							
	OBS	00173	04.39	34.58	27.43		1470.8							
	OBS	00178	04.30	34.57	27.43		1470.5							
	OBS	00196	04.39	34.66	27.50		1471.3							
	OBS	00198	04.33	34.64	27.45		1471.0							
	STD	00200	04.19	34.61	27.48	00.192	1470.4							
	OBS	00207	03.94	34.60	27.50		1469.5							
	OBS	00209	03.95	34.62	27.51		1469.6							
	OBS	00220	04.40	34.68	27.51		1471.7							
	OBS	00228	04.37	34.65	27.49		1471.7							
	OBS	00234	04.19	34.65	27.51		1471.0							
	OBS	00241	03.79	34.61	27.52		1469.4							
	STD	00250	03.63	34.61	27.54	00.222	1468.5							
	OBS	00251	03.62	34.61	27.54		1468.5							
	OBS	00253	03.62	34.66	27.58		1469.0							
	OBS	00277	04.15	34.74	27.59		1471.7							
	OBS	00287	03.62	34.68	27.59		1469.6							
	STD	00300	03.48	34.67	27.60	00.250	1465.2							
	OBS	00302	03.45	34.67	27.60		1469.1							
	OBS	00317	03.62	34.78	27.64		1471.5							
	OBS	00325	03.64	34.79	27.65		1471.7							
	OBS	00333	04.13	34.81	27.64		1472.6							
	OBS	00350	04.13	34.81	27.64		1472.9							
	OBS	00365	04.26	34.83	27.64		1473.7							
	STD	00400	04.12	34.85	27.67	00.300	1473.8							
	OBS	00401	04.12	34.85	27.68		1473.8							
	OBS	00453	04.09	34.88	27.70		1474.5							
	STD	00500	04.36	34.94	27.72	00.345	1476.6							
	OBS	00502	04.39	34.94	27.72		1476.7							
	OBS	00555	04.35	34.93	27.71		1477.6							
	STD	00600	04.48	34.97	27.73	00.385	1478.7							
	OBS	00603	04.48	34.97	27.73		1478.8							
	OBS	00652	04.39	34.98	27.75		1479.2							
	STD	00700	04.30	34.98	27.76	00.432	1475.6							
	OBS	00700	04.30	34.98	27.76		1475.7							
	OBS	00751	04.30	34.98	27.76		1480.5							
	STD	00800	04.15	34.95	27.75	00.475	1480.7							
	OBS	00801	04.15	34.95	27.75		1480.7							
	OBS	00852	04.08	34.97	27.78		1481.3							
	STD	00900	04.05	34.97	27.78	00.517	1481.9							
	OBS	00900	04.05	34.97	27.78		1481.9							
	OBS	00955	03.99	34.96	27.78		1482.6							
	STD	01000	03.94	34.96	27.78	00.560	1483.2							
	OBS	01003	03.96	34.96	27.78		1483.2							
	OBS	01050	03.88	34.96	27.79		1483.7							

AD-A066 290

COAST GUARD WASHINGTON D C OCEANOGRAPHIC UNIT
OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND - 1975.(U)
APR 78 D G MOUNTAIN
USCG-373-75

F/G 8/3

UNCLASSIFIED

NL

3 OF 4
ADA
066290

NO
TOP

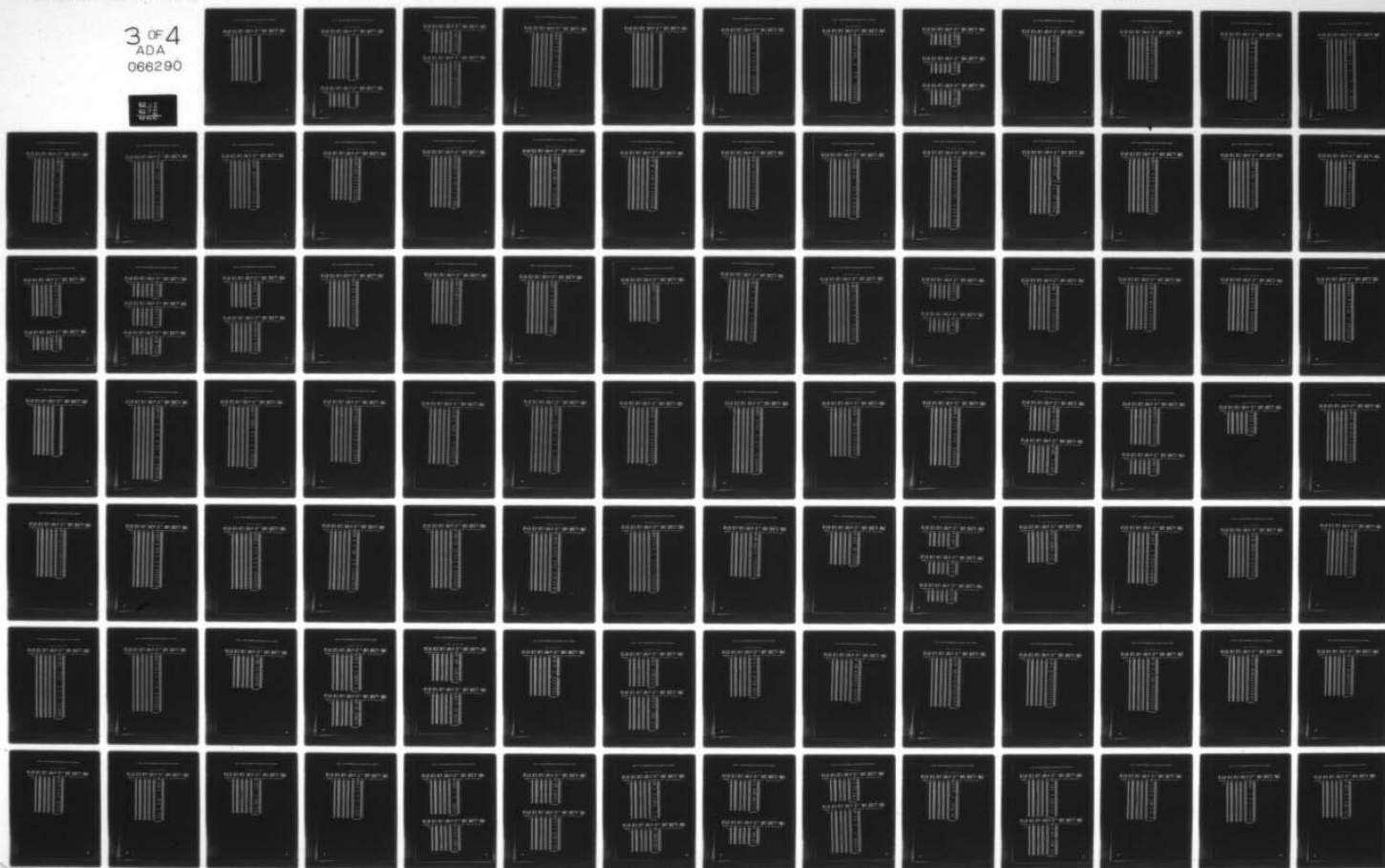


TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0443	YEAR 1975	BOTDP 03149	AIR TEMP 04.1	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SO 1306
CONSEC 0032	MONTH 05	SHIP EV	WET BULB 03.5	99 X X	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LA° 44 19.8N	DAY 28	DATA USE 1	BAROMETR 1012.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 30.0W	HOOR 21.9	AREA 05	CLOUD T/A	CL/TP	WEATHER X2	ORIG 011 811 14	1 SQUARE 48

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORYG	PO4	TOT-P	NO2	NO3	SIO3	PH
21.6	OBS	00009	01.33	32.96	26.41		1452.6							
	STD	00010	01.32	32.96	26.41		1452.6							
	STD	00020	01.15	32.98	26.43		1452.1							
	OBS	00020	01.14	32.98	26.44		1452.0							
	STD	00030	01.01	33.00	26.46		1451.6							
	OBS	00030	01.00	33.00	26.46		1451.6							
	STD	00050	00.43	33.07	26.54		1450.3							
	OBS	00055	00.39	33.10	26.58		1449.3							
	OBS	00064	- 0.35	33.19	26.68		1446.3							
	OBS	00068	- 0.15	33.42	26.86		1447.5							
	OBS	00072	00.44	33.46	26.86		1450.4							
	STD	00075	01.62	33.59	26.90		1455.9							
	OBS	00076	02.00	33.64	26.91		1457.6							
	OBS	00089	02.32	33.79	27.00		1459.5							
	STD	00100	02.36	33.81	27.01		1459.8							
	OBS	00102	02.36	33.82	27.02		1459.9							
	OBS	00119	02.31	33.50	27.09		1460.1							
	OBS	00123	01.13	33.86	27.14		1454.5							
	STD	00125	01.08	33.86	27.15		1454.7							
	OBS	00131	00.52	33.86	27.16		1454.1							
	STD	00150	01.01	34.00	27.26		1454.9							
	OBS	00150	01.01	34.00	27.26		1455.0							
	OBS	00175	01.41	34.14	27.35		1457.4							
	STD	00200	01.42	34.24	27.42		1458.8							
	OBS	00201	01.63	34.25	27.42		1458.5							
	OBS	00226	01.82	34.35	27.49		1460.3							
	OBS	00230	01.86	34.37	27.50		1460.6							
	STD	00250	02.28	34.47	27.55		1462.9							
	OBS	00251	02.30	34.48	27.55		1463.0							
	OBS	00279	02.45	34.56	27.60		1464.2							
	STD	00300	02.62	34.60	27.62		1465.4							
	OBS	00302	02.64	34.60	27.62		1465.5							
	OBS	00350	02.90	34.66	27.64		1467.5							
	STD	00400	03.16	34.73	27.67		1469.5							
	OBS	00401	03.17	34.73	27.68		1469.6							
	OBS	00453	03.38	34.78	27.70		1471.4							
	STD	00500	03.44	34.81	27.71		1472.5							
	OBS	00500	03.44	34.81	27.71		1472.5							
	OBS	00550	03.67	34.85	27.72		1474.3							
	OBS	00569	03.78	34.87	27.73		1475.1							
	OBS	00580	04.08	34.91	27.73		1476.6							
	STD	00600	03.67	34.90	27.73		1476.5							
	OBS	00601	03.96	34.90	27.73		1476.5							
	OBS	00658	03.88	34.90	27.74		1477.1							
	STD	00700	03.85	34.90	27.74		1477.7							
	OBS	00700	03.85	34.90	27.74		1477.7							
	OBS	00750	03.67	34.88	27.75		1477.7							
	STD	00800	03.61	34.87	27.75		1478.2							
	OBS	00807	03.60	34.87	27.75		1478.3							
	OBS	00856	03.56	34.87	27.75		1479.0							
	STD	00900	03.48	34.87	27.76		1479.4							
	OBS	00902	03.48	34.87	27.76		1479.4							
	OBS	00951	03.51	34.88	27.76		1480.4							
	STD	01000	03.56	34.89	27.77		1481.4							
	OBS	01005	03.56	34.89	27.77		1481.5							
	OBS	01056	03.49	34.85	27.77		1482.1							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 01138	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1306
CONSEC 0033	MONTH 05	SHIP EV	WET BULB 02.8	36 3 4	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
LAT 44 19.5N	DAY 28	DATA USE 1	BAROMETR 1012.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 51.8W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 812	1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00009	00.99	32.90	26.38		1451.0							
	STD	00010	00.95	32.90	26.38		1451.0							
	OBS	00017	00.98	32.91	26.39		1451.1							
	STD	00020	00.94	32.89	26.38		1451.0							
	OBS	00024	00.89	32.88	26.37		1450.8							
	STD	00030	00.83	32.90	26.39		1450.7							
	OBS	00034	00.79	32.91	26.40		1450.6							
	STD	00050	00.64	32.68	26.47		1450.3							
	OBS	00053	00.64	32.69	26.47		1450.3							
	OBS	00059	00.62	33.00	26.48		1450.3							
	OBS	00064	00.04	33.07	26.57		1448.0							
	OBS	00068	- 0.06	33.10	26.60		1447.5							
	OBS	00070	- 0.40	33.13	26.64		1446.0							
	OBS	00072	- 0.40	33.14	26.65		1446.1							
	STD	00075	- 0.44	33.14	26.65		1445.8							
	OBS	00081	- 0.61	33.145	26.66		1445.2							
	STD	00100	- 1.08	33.27	26.77		1443.5							
	OBS	00100	- 1.05	33.27	26.78		1443.5							
	OBS	00108	- 1.11	33.29	26.79		1443.6							
	STD	00125	- 0.87	33.41	26.88		1445.1							
	OBS	00127	- 0.81	33.43	26.90		1445.5							
	STD	00150	- 0.02	33.67	27.05		1449.8							
	OBS	00154	00.10	33.70	27.07		1450.5							
	OBS	00177	00.63	33.84	27.16		1453.5							
	STD	00200	01.12	34.05	27.30		1456.3							
	OBS	00203	01.18	34.08	27.32		1456.7							
	OBS	00226	01.50	34.21	27.40		1458.7							
	STD	00250	01.97	34.40	27.52		1461.4							
	OBS	00253	02.02	34.42	27.53		1461.7							
	OBS	00276	02.29	34.51	27.58		1463.4							
	STD	00300	02.35	34.54	27.59		1464.3							
	OBS	00302	02.40	34.54	27.59		1464.4							
	OBS	00356	02.75	34.65	27.65		1467.1							
	STD	00400	03.00	34.71	27.67		1468.8							
	OBS	00405	03.02	34.71	27.67		1469.0							
	OBS	00453	03.09	34.72	27.68		1470.1							
	STD	00500	03.16	34.74	27.68		1471.2							
	OBS	00502	03.17	34.74	27.68		1471.3							
	OBS	00544	03.29	34.78	27.70		1472.5							
	STD	00600	03.41	34.81	27.72		1474.0							
	OBS	00658	03.49	34.83	27.72		1475.3							
	STD	00700	03.51	34.84	27.73		1476.1							
	OBS	00708	03.51	34.84	27.73		1476.3							
	OBS	00751	03.51	34.85	27.74		1477.0							
	STD	00800	03.49	34.85	27.74		1477.7							
	OBS	00807	03.45	34.85	27.74		1477.8							
	OBS	00850	03.49	34.86	27.75		1478.6							
	STD	00900	03.47	34.86	27.75		1479.3							
	OBS	00900	03.47	34.86	27.75		1479.3							
	OBS	00955	03.47	34.87	27.76		1480.3							
	OBS	00987	03.47	34.87	27.76		1480.8							
	STD	01000	03.47	34.86	27.75		1481.0							
	OBS	01001	03.47	34.86	27.75		1481.0							

REFID 31 0463	YEAR 1975	BOTOP 00175	AIR TEMP 02.1	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0034	MONTH 05	SHIP EV	WET BULB 02.1	36 3 4	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 44 19.6N	DAY 29	DATA USE 1	BAROMETR 1012.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 04.6W	HOUR 01.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 813	1 SQUARE 49

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.8	OBS	00005	01.04	32.86	26.35		1451.2							
	STD	00010	01.04	32.86	26.34		1451.2							
	OBS	00011	01.05	32.85	26.34		1451.3							
	OBS	00019	00.93	32.84	26.35		1450.9							
	STD	00020	00.78	32.86	26.36		1450.2							
	OBS	00024	00.24	32.86	26.39		1447.8							
	STD	00030	00.04	32.94	26.48		1447.1							
	OBS	00032	- 0.04	32.99	26.51		1446.8							
	STD	00050	- 0.43	33.05	26.57		1445.4							
	OBS	00051	- 0.45	33.05	26.58		1445.4							
	STD	00075	- 0.59	33.05	26.61		1445.1							
	OBS	00083	- 0.72	33.12	26.64		1444.7							
	STD	00100	- 1.07	33.20	26.72		1443.5							
	OBS	00100	- 1.08	33.20	26.72		1443.4							
	OBS	00104	- 1.11	33.22	26.74		1443.4							
	STD	00125	- 1.09	33.32	26.81		1444.0							
	OBS	00125	- 1.08	33.32	26.82		1444.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
REFID 31 8463	YEAR 1975	BOTDP 00215	AIR TEMP 04.0	DIR MGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306							
CONSEC 0035	MONTH 05	SHIP EV	WET BULB 03.0	35 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 2							
LAT 44 35.1N	DAY 29	DATA USE 1	BAROMETR 1011.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48							
LONG 049 07.0W	MOOR 03.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 814	1 SQUARE 45							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.5	STD	00000	01.43	32.82	26.29		1452.7							
	OBS	00007	01.43	32.82	26.29	00.000	1452.9							
	OBS	00009	01.41	32.82	26.29		1452.8							
	STD	00010	01.40	32.82	26.25	00.017	1452.8							
	STD	00020	01.28	32.83	26.31	00.035	1452.4							
	OBS	00024	01.22	32.84	26.32		1452.2							
	STD	00030	01.05	32.85	26.33	00.052	1451.6							
	OBS	00034	00.89	32.86	26.36		1450.9							
	OBS	00047	00.27	32.56	26.47		1448.5							
	OBS	00049	- 0.41	33.02	26.56		1445.5							
	STD	00050	- 0.41	33.03	26.56	00.084	1445.5							
	OBS	00051	- 0.41	33.03	26.56		1445.5							
	OBS	00057	- 0.43	33.05	26.57		1445.5							
	OBS	00060	- 0.65	33.07	26.60		1444.6							
	STD	00075	- 0.82	33.11	26.64	00.120	1444.1							
	OBS	00076	- 0.83	33.11	26.64		1444.1							
	STD	00100	- 0.92	33.16	26.68	00.154	1444.1							
	OBS	00100	- 0.92	33.16	26.68		1444.1							
STD	00125	- 0.94	33.17	26.65	00.185	1444.4								
OBS	00131	- 0.95	33.17	26.69		1444.5								
OBS	00133	- 0.95	33.18	26.70		1444.4								
STD	00150	- 0.98	33.19	26.71	00.222	1444.7								
OBS	00150	- 0.98	33.19	26.71		1444.7								
OBS	00177	- 0.95	33.20	26.72		1445.1								
STD	00200	- 0.94	33.28	26.78	00.287	1445.8								
OBS	00205	- 0.93	33.34	26.83		1446.1								
OBS	00209	- 0.79	33.39	26.86		1446.5								

REFID 31 8463	YEAR 1975	BOTDP 01673	AIR TEMP 03.4	DIR MGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306							
CONSEC 0036	MONTH 05	SHIP EV	WET BULB 03.4	35 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2							
LAT 44 35.0N	DAY 29	DATA USE 1	BAROMETR 1007.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48							
LONG 048 51.3W	MOOR 07.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 815	1 SQUARE 48							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.2	STD	00000	01.41	33.02	26.45	00.000	1452.5							
	OBS	00007	01.41	33.02	26.45		1453.1							
	STD	00010	01.40	33.03	26.46	00.016	1453.0							
	OBS	00011	01.39	33.03	26.46		1453.0							
	STD	00020	01.42	33.04	26.47	00.032	1453.3							
	OBS	00020	01.41	33.04	26.47		1453.3							
	STD	00030	01.11	33.06	26.50	00.047	1452.1							
	OBS	00032	01.05	33.06	26.51		1451.9							
	STD	00050	00.97	33.08	26.53	00.078	1451.9							
	OBS	00051	00.96	33.08	26.53		1451.8							
	STD	00075	00.67	33.10	26.56	00.115	1450.9							
	OBS	00079	00.61	33.10	26.56		1450.8							
	OBS	00081	00.21	33.17	26.64		1449.1							
	OBS	00085	00.14	33.20	26.67		1448.8							
	STD	00100	00.09	33.24	26.70	00.151	1448.5							
	OBS	00102	- 0.25	33.33	26.79		1447.5							
	OBS	00104	- 0.54	33.41	26.87		1446.3							
	OBS	00116	- 0.64	33.44	26.90		1446.1							
	STD	00125	- 0.44	33.51	26.94	00.182	1447.3							
	OBS	00129	- 0.34	33.54	26.97		1447.8							
	STD	00150	00.07	33.67	27.05	00.206	1450.2							
	OBS	00156	00.16	33.70	27.07		1450.8							
	OBS	00177	00.34	33.80	27.14		1452.1							
	STD	00200	00.81	33.95	27.24	00.255	1454.8							
	OBS	00205	00.91	33.99	27.26		1455.4							
	OBS	00226	01.27	34.13	27.35		1457.6							
	STD	00250	01.81	34.34	27.48	00.291	1460.6							
	OBS	00255	01.85	34.37	27.50		1461.1							
	OBS	00283	02.09	34.42	27.52		1462.5							
	STD	00300	02.19	34.47	27.55	00.321	1463.3							
	OBS	00300	02.20	34.47	27.55		1463.4							
	OBS	00350	02.54	34.59	27.62		1465.8							
	STD	00400	02.75	34.64	27.64	00.373	1467.6							
	OBS	00401	02.76	34.64	27.64		1467.7							
	OBS	00451	02.99	34.70	27.67		1469.6							
	STD	00500	03.29	34.77	27.69	00.420	1471.8							
OBS	00504	03.31	34.77	27.69		1471.9								
OBS	00559	03.47	34.80	27.70		1473.6								
STD	00600	03.52	34.82	27.71	00.465	1474.5								
OBS	00609	03.52	34.82	27.71		1474.6								
OBS	00651	03.50	34.83	27.72		1475.3								
STD	00700	03.54	34.84	27.73	00.505	1476.3								
OBS	00700	03.54	34.84	27.73		1476.3								
OBS	00750	03.54	34.85	27.74		1477.1								
STD	00800	03.51	34.85	27.74	00.552	1477.8								
OBS	00805	03.51	34.85	27.74		1477.9								
OBS	00850	03.47	34.86	27.75		1478.5								
STD	00900	03.45	34.86	27.75	00.565	1479.2								
OBS	00902	03.45	34.86	27.75		1479.3								
OBS	00953	03.45	34.87	27.76		1480.1								
STD	01000	03.44	34.87	27.76	00.638	1480.9								
OBS	01001	03.44	34.87	27.76		1480.9								
OBS	01052	03.44	34.87	27.76		1481.8								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA														
REFID 31 8463	YEAR 1975	BOTOP 02562	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 07	INST STC RECORDER	TEN SO 1306							
CONSEC 0037	MONTH 05	SHIP EV	WET BULB 04.0	99 X X	WIND-SPD 17	TRACE DIA D	3 SQUARE 2							
LAT 44 38.8N	DAY 29	DATA USE 1	BAROMETR 1006.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 38.8W	HOUR 05.4	AREA 05	CLOUD T/A	CL/TP	WEATHER X4	ORIG C11 616 10	1 SQUARE 48							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
09.4	STD	00000	02.29	33.31	26.62	00.000	1457.2							
	OBS	00007	02.29	33.31	26.62		1457.3							
	STD	00010	02.30	33.32	26.63	00.014	1457.4							
	STD	00020	02.33	33.36	26.65	00.028	1457.8							
	OBS	00020	02.33	33.36	26.66		1457.8							
	STD	00030	02.24	33.40	26.69	00.042	1457.6							
	OBS	00030	02.23	33.40	26.70		1457.6							
	STD	00050	02.02	33.45	26.75	00.065	1457.1							
	OBS	00055	01.86	33.46	26.77		1456.5							
	OBS	00059	01.75	33.59	26.88		1456.2							
	OBS	00068	02.08	33.76	27.00		1458.0							
	STD	00075	02.09	33.78	27.01	00.098	1458.2							
	OBS	00076	02.09	33.79	27.02		1458.3							
	OBS	00083	02.40	33.87	27.06		1459.8							
	OBS	00087	01.91	33.85	27.08		1457.7							
	OBS	00097	01.91	34.02	27.22		1458.1							
	STD	00100	01.74	34.01	27.22	00.122	1457.4							
	OBS	00102	01.61	34.01	27.23		1456.5							
	OBS	00106	01.47	34.12	27.33		1456.5							
	OBS	00119	01.78	34.20	27.37		1458.2							
	STD	00125	02.42	34.26	27.37	00.142	1461.1							
	OBS	00129	02.81	34.31	27.37		1463.0							
	STD	00150	02.74	34.41	27.46	00.156	1463.2							
	OBS	00150	02.74	34.41	27.46		1463.2							
	OBS	00167	02.52	34.46	27.48		1464.3							
	OBS	00173	03.25	34.51	27.49		1465.9							
	OBS	00178	03.38	34.54	27.50		1466.6							
	OBS	00184	03.48	34.54	27.49		1467.1							
	STD	00200	03.29	34.57	27.54	00.190	1466.6							
	OBS	00201	03.29	34.57	27.54		1466.6							
	OBS	00207	03.30	34.57	27.54		1466.7							
	OBS	00209	03.11	34.55	27.54		1465.9							
	OBS	00217	03.11	34.55	27.54		1466.0							
	OBS	00232	02.38	34.50	27.56		1463.1							
	OBS	00247	02.52	34.54	27.58		1466.0							
	OBS	00246	02.88	34.61	27.61		1465.7							
	STD	00250	02.88	34.61	27.61	00.217	1465.7							
	OBS	00257	02.95	34.61	27.60		1466.1							
	OBS	00268	03.26	34.66	27.61		1467.7							
	OBS	00277	03.15	34.63	27.60		1467.3							
	STD	00300	03.39	34.70	27.63	00.242	1468.8							
	OBS	00300	03.40	34.70	27.63		1468.9							
	OBS	00354	03.94	34.82	27.67		1472.2							
	OBS	00367	03.97	34.83	27.68		1472.6							
	OBS	00369	03.54	34.78	27.68		1470.7							
	STD	00400	03.29	34.76	27.69	00.289	1470.1							
	OBS	00403	03.28	34.76	27.69		1470.1							
	OBS	00458	03.53	34.81	27.70		1472.2							
	STD	00500	03.66	34.83	27.71	00.333	1473.5							
	OBS	00504	03.67	34.83	27.71		1473.6							
	OBS	00552	03.65	34.84	27.72		1474.3							
	STD	00600	03.60	34.85	27.73	00.377	1474.9							
	OBS	00603	03.60	34.85	27.73		1474.9							
	OBS	00651	03.62	34.87	27.74		1475.8							
	STD	00700	03.69	34.88	27.74	00.420	1476.9							
	OBS	00708	03.71	34.88	27.74		1477.2							
	OBS	00755	03.88	34.92	27.76		1478.7							
	STD	00800	03.80	34.91	27.76	00.462	1479.1							
	OBS	00807	03.78	34.91	27.76		1479.2							
	OBS	00850	03.60	34.89	27.76		1479.1							
	STD	00900	03.44	34.87	27.76	00.504	1479.2							
	OBS	00900	03.44	34.87	27.76		1479.2							
	OBS	00957	03.40	34.87	27.77		1480.0							
	STD	01000	03.45	34.88	27.77	00.547	1480.9							
	OBS	01001	03.45	34.88	27.77		1481.0							
	OBS	01048	03.44	34.88	27.77		1481.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
PSFID 31 0463	YEAR 1975	BOTOP 02957	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEM SG 1304							
CONSEC 0034	MONTH 05	SHIP EV	WET BULB 04.5	99 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2							
LA 44 32.0N	DAY 25	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 40							
LONG 040 25.0W	MOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 017	1 SQUARE 40							
CASHTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT. P	NO2	NO3	SIO3	PH
11.6	OBS	00009	01.51	32.98	26.41		1453.5							
	STD	00010	01.51	32.98	26.41		1453.5							
	OBS	00017	01.50	32.99	26.42		1453.6							
	STD	00020	01.65	33.16	26.55		1454.5							
	OBS	00020	01.69	33.21	26.58		1454.8							
	STD	00030	01.74	33.26	26.62		1455.2							
	OBS	00034	01.77	33.36	26.70		1455.6							
	OBS	00034	01.51	33.42	26.76		1454.5							
	OBS	00047	01.04	33.49	26.85		1452.7							
	OBS	00049	00.84	33.62	26.97		1452.0							
	STD	00050	00.79	33.43	26.98		1451.8							
	OBS	00055	00.37	33.69	27.05		1450.1							
	OBS	00062	00.25	33.69	27.06		1449.7							
	STD	00075	00.58	33.81	27.14		1451.5							
	OBS	00081	00.77	33.91	27.21		1452.6							
	OBS	00083	01.56	33.94	27.18		1456.2							
	OBS	00087	01.65	34.09	27.25		1457.1							
	STD	00100	01.84	34.15	27.33		1458.0							
	OBS	00100	01.91	34.17	27.34		1458.4							
	OBS	00102	02.09	34.20	27.35		1459.3							
	OBS	00106	02.08	34.23	27.37		1459.3							
	OBS	00110	02.38	34.30	27.40		1460.8							
	OBS	00119	01.56	34.22	27.40		1457.2							
	STD	00125	01.56	34.23	27.41		1457.3							
	OBS	00125	01.56	34.23	27.41		1457.3							
	STD	00150	02.08	34.38	27.49		1460.2							
	OBS	00150	02.08	34.38	27.49		1460.2							
	OBS	00158	02.15	34.43	27.53		1460.7							
	OBS	00163	02.36	34.45	27.52		1461.8							
	OBS	00177	02.18	34.43	27.52		1461.2							
	OBS	00188	02.22	34.47	27.55		1461.6							
	OBS	00199	03.36	34.60	27.55		1466.9							
	STD	00200	03.35	34.60	27.55		1466.8							
	OBS	00201	03.33	34.59	27.55		1466.8							
	OBS	00205	04.46	34.78	27.58		1471.9							
	OBS	00220	04.56	34.77	27.56		1472.5							
	OBS	00232	04.24	34.77	27.60		1471.4							
	OBS	00241	04.56	34.84	27.62		1473.0							
	STD	00250	04.62	34.85	27.62		1473.4							
	OBS	00255	04.64	34.85	27.62		1473.5							
	OBS	00268	04.62	34.85	27.62		1473.7							
	OBS	00270	04.26	34.80	27.62		1472.1							
	OBS	00281	04.44	34.83	27.63		1473.1							
	STD	00300	04.37	34.86	27.66		1473.2							
	OBS	00300	04.37	34.86	27.66		1473.2							
	OBS	00350	04.53	34.92	27.69		1474.7							
	STD	00400	04.41	34.91	27.69		1475.1							
	OBS	00411	04.40	34.91	27.69		1475.2							
	OBS	00451	04.40	34.93	27.71		1475.5							
	STD	00500	04.31	34.93	27.72		1476.3							
	OBS	00500	04.31	34.93	27.72		1476.3							
	OBS	00550	04.28	34.94	27.73		1477.0							
	STD	00600	04.15	34.93	27.74		1477.3							
	OBS	00601	04.15	34.93	27.74		1477.3							
	OBS	00654	04.08	34.93	27.74		1477.9							
	STD	00700	04.01	34.93	27.75		1478.3							
	OBS	00704	03.99	34.93	27.75		1478.4							
	OBS	00759	03.67	34.89	27.75		1477.9							
	STD	00800	03.63	34.89	27.76		1478.4							
	OBS	00803	03.63	34.89	27.76		1478.4							
	OBS	00852	03.62	34.90	27.77		1479.2							
	STD	00900	03.62	34.90	27.77		1480.0							
	OBS	00904	03.62	34.90	27.77		1480.1							
	OBS	00951	03.54	34.86	27.77		1480.5							
	STD	01000	03.47	34.89	27.77		1481.0							
	OBS	01001	03.47	34.89	27.77		1481.1							
	OBS	01054	03.47	34.89	27.77		1481.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 03191	AIR TEMP 09.0	DIR HGT PER	WIND-DIR 10	INST STO RECORDER	TEN SQ 1306
COMSEC 0036	MONTH 05	SHIP EV	WET BULB 08.8	10 2 2	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LA- 44 36.1N	DAY 29	CATA USE 1	BARCHETA 1014.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 10.2W	MOOR 13.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	DRG 011 818 10	1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.3	STO	C0000	04.20	33.19	26.35	00.000	1465.3							
	OBS	00003	04.20	33.19	26.35		1465.3							
	STO	00010	04.21	33.18	26.34	00.017	1465.4							
	OBS	00013	04.21	33.18	26.34		1465.4							
	STO	00020	04.19	33.22	26.37	00.034	1465.6							
	OBS	00020	04.19	33.22	26.38		1465.6							
	STO	00030	04.19	33.24	26.40	00.050	1465.8							
	OBS	00030	04.19	33.24	26.41		1465.8							
	STO	00050	03.67	33.36	26.54	00.082	1464.1							
	OBS	00053	03.58	33.42	26.59		1463.8							
	OBS	00055	02.65	33.46	26.71		1459.9							
	OBS	00060	02.02	33.51	26.80		1457.3							
	OBS	00068	01.59	33.65	26.94		1455.7							
	OBS	00072	01.88	33.83	27.07		1457.3							
	OBS	00074	00.52	33.73	27.08		1451.1							
	STO	00075	00.55	33.72	27.07	00.113	1451.3							
	OBS	00076	00.59	33.71	27.06		1451.4							
	OBS	00081	00.73	33.75	27.08		1452.2							
	OBS	00083	01.63	33.83	27.08		1456.4							
	OBS	00087	01.60	33.85	27.10		1456.4							
	OBS	00093	02.04	33.96	27.16		1458.5							
	OBS	00097	02.77	34.05	27.17		1461.9							
	OBS	00099	02.81	34.10	27.21		1462.2							
	STO	00100	03.09	34.13	27.21	00.136	1463.4							
	OBS	00102	03.74	34.22	27.21		1466.4							
	OBS	00114	04.65	34.41	27.27		1470.7							
	OBS	00118	04.90	34.42	27.25		1471.8							
	STO	00125	04.44	34.38	27.27	00.158	1469.6							
	OBS	00125	04.42	34.38	27.27		1469.6							
	OBS	00137	04.39	34.38	27.27		1469.6							
	OBS	00142	04.86	34.51	27.32		1472.1							
	STO	00150	04.89	34.52	27.33	00.178	1472.4							
	OBS	00150	04.89	34.52	27.33		1472.4							
	OBS	00178	04.67	34.56	27.39		1472.0							
	STO	00200	04.88	34.68	27.45	00.214	1473.4							
	OBS	00201	04.90	34.68	27.45		1473.5							
	OBS	00226	04.19	34.63	27.45		1470.6							
	OBS	00234	03.67	34.58	27.51		1468.8							
	OBS	00245	03.40	34.54	27.50		1467.7							
	STO	00250	03.54	34.59	27.53	00.245	1468.5							
	OBS	00251	03.58	34.60	27.53		1468.7							
	OBS	00274	03.70	34.66	27.57		1469.7							
	OBS	00297	03.46	34.64	27.58		1469.0							
	STO	00300	03.73	34.68	27.58	00.273	1470.2							
	OBS	00304	03.96	34.71	27.58		1471.3							
	OBS	00316	03.63	34.67	27.58		1470.1							
	OBS	00325	03.78	34.72	27.61		1470.9							
	OBS	00329	03.53	34.68	27.60		1469.9							
	OBS	00352	03.51	34.72	27.63		1470.2							
	OBS	00362	03.76	34.79	27.66		1472.1							
	OBS	00397	04.08	34.82	27.66		1473.5							
	STO	00400	04.08	34.82	27.66	00.325	1473.5							
	OBS	00407	04.08	34.83	27.66		1473.7							
	OBS	00451	04.30	34.88	27.68		1475.4							
	STO	00500	04.30	34.92	27.71	00.371	1476.2							
	OBS	00508	04.30	34.92	27.71		1476.4							
	OBS	00550	04.29	34.92	27.71		1477.0							
	STO	00600	04.31	34.95	27.73	00.415	1478.0							
	OBS	00601	04.31	34.95	27.73		1478.0							
	OBS	00651	04.28	34.96	27.75		1478.7							
	STO	00700	04.17	34.94	27.74	00.455	1479.1							
	OBS	00702	04.17	34.94	27.74		1479.1							
	OBS	00751	04.10	34.94	27.75		1479.6							
	STO	00800	04.06	34.94	27.75	00.502	1480.2							
	OBS	00810	04.05	34.94	27.75		1480.4							
	OBS	00850	04.01	34.95	27.77		1480.9							
	STO	00900	03.90	34.94	27.77	00.544	1481.2							
	OBS	00900	03.90	34.94	27.77		1481.2							
	OBS	00951	03.71	34.93	27.78		1481.3							
	STO	01000	03.55	34.85	27.77	00.587	1481.4							
	OBS	01010	03.53	34.89	27.77		1481.5							
	OBS	01056	03.47	34.89	27.77		1482.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
REFID 31 8443	YEAR 1979	BDTDP 03462	AIR TEMP 10.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306							
CONSEC 0040	MONTH 05	SHIP EV	WET BULB 10.7	13 2 2	WIND-SPD 14	TRACE DIR	5 SQUARE 2							
LA° 44 34.04	DAY 25	DATA USE 1	BAROMETER 1003.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 047 57.04	HOOR 15.3	AREA 05	CLOUD T/A	CL/TA	WEATHER X5	ORIG CII 819 13	1 SQUARE 47							
CASHTHR/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT 2	NO2	NO3	SIO3	PH
13.5	STD	00000	04.28	33.84	26.62	00.000	1474.7							
	OBS	00001	04.28	33.84	26.62		1474.7							
	STD	00010	04.25	33.84	26.63	00.014	1474.7							
	OBS	00011	04.23	33.84	26.63		1474.7							
	OBS	00019	04.07	33.80	26.62		1474.1							
	STD	00020	04.06	33.81	26.62	00.026	1474.0							
	OBS	00020	04.04	33.81	26.63		1474.0							
	OBS	00024	05.96	33.83	26.66		1473.8							
	STD	00030	04.12	33.88	26.68	00.042	1474.6							
	OBS	00032	04.19	33.91	26.69		1474.5							
	OBS	00047	04.57	34.07	26.77		1476.9							
	STD	00050	04.68	34.11	26.78	00.065	1477.5							
	OBS	00053	04.84	34.20	26.83		1478.2							
	OBS	00057	07.66	34.34	26.83		1481.7							
	OBS	00062	08.30	34.45	26.85		1484.4							
	OBS	00064	07.27	34.31	26.86		1480.3							
	OBS	00074	07.36	34.43	26.94		1480.9							
	STD	00075	07.28	34.45	26.97	00.099	1480.6							
	OBS	00076	07.18	34.48	27.01		1480.3							
	OBS	00087	07.67	34.64	27.06		1482.6							
	OBS	00097	07.43	34.63	27.09		1481.8							
	STD	00100	07.52	34.64	27.09	00.125	1482.3							
	OBS	00104	07.58	34.66	27.09		1482.6							
	OBS	00119	07.07	34.61	27.12		1480.8							
	STD	00125	07.22	34.65	27.13	00.150	1481.5							
	OBS	00125	07.24	34.65	27.13		1481.6							
	STD	00150	07.41	34.73	27.17	00.174	1482.8							
	OBS	00152	07.42	34.74	27.18		1482.8							
	OBS	00161	07.43	34.72	27.16		1483.0							
	OBS	00165	07.95	34.88	27.21		1485.3							
	OBS	00177	07.97	34.85	27.21		1485.6							
	OBS	00180	08.04	34.93	27.23		1486.0							
	OBS	00190	07.68	34.87	27.24		1484.6							
	OBS	00194	07.16	34.76	27.23		1482.5							
	OBS	00198	06.21	34.60	27.23		1478.6							
	STD	00200	06.23	34.61	27.24	00.219	1478.8							
	OBS	00209	06.30	34.67	27.27		1479.3							
	OBS	00211	05.48	34.54	27.29		1475.5							
	OBS	00213	05.46	34.55	27.29		1475.8							
	OBS	00222	04.86	34.51	27.32		1473.4							
	OBS	00236	05.17	34.57	27.34		1475.0							
	OBS	00239	04.39	34.49	27.36		1471.7							
	OBS	00245	04.03	34.44	27.36		1470.3							
	OBS	00247	03.94	34.45	27.38		1469.5							
	OBS	00249	03.63	34.40	27.37		1468.6							
	STD	00250	03.73	34.42	27.37	00.259	1469.0							
	OBS	00257	04.44	34.56	27.41		1472.3							
	OBS	00266	04.10	34.56	27.45		1471.1							
	OBS	00274	04.73	34.67	27.47		1474.0							
	OBS	00276	04.78	34.66	27.45		1474.2							
	STD	00300	04.80	34.70	27.48	00.293	1474.7							
	OBS	00304	04.80	34.70	27.48		1474.8							
	OBS	00329	04.58	34.71	27.51		1474.3							
	OBS	00338	04.17	34.65	27.51		1472.7							
	OBS	00352	03.71	34.45	27.56		1471.0							
	OBS	00363	03.40	34.70	27.58		1472.0							
	OBS	00373	04.46	34.77	27.58		1474.6							
	OBS	00375	04.46	34.76	27.57		1474.6							
	OBS	00382	05.03	34.87	27.59		1477.3							
	OBS	00390	05.03	34.86	27.58		1477.4							
	STD	00400	04.77	34.84	27.60	00.353	1476.5							
	OBS	00401	04.74	34.84	27.60		1476.5							
	OBS	00453	04.61	34.86	27.63		1476.7							
	STD	00500	04.66	34.91	27.66	00.405	1477.7							
	OBS	00500	04.66	34.91	27.66		1477.7							
	OBS	00550	04.71	34.95	27.69		1478.8							
	STD	00600	04.80	34.98	27.71	00.453	1480.1							
	OBS	00616	04.80	34.95	27.71		1480.3							
	OBS	00658	04.74	35.00	27.73		1480.8							
	STD	00700	04.59	34.99	27.74	00.499	1480.9							
	OBS	00704	04.58	34.99	27.74		1480.9							
	OBS	00751	04.60	35.01	27.75		1481.8							
	STD	00800	04.45	34.98	27.74	00.544	1481.9							
	OBS	00801	04.44	34.98	27.74		1481.9							
	OBS	00850	04.21	34.96	27.75		1481.7							
	STD	00900	04.01	34.94	27.76	00.588	1481.7							
	OBS	00902	04.00	34.94	27.76		1481.7							
	OBS	00951	03.88	34.93	27.76		1482.0							
	STD	01000	03.81	34.93	27.77	00.631	1482.5							
	OBS	01001	03.81	34.93	27.77		1482.5							
OBS	01052	03.74	34.92	27.77		1483.1								

MOOC STATION DATA

REFID 31 8443 YEAR 1975 BOTDP 00084 AIR TEMP 03.9 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SO 1306
 CONSEC 3341 MONTH 05 SHIP EV WET BULB 03.9 20 0 3 WIND-SPD 18 TRACE DIA 0 5 SQUARE 2
 LAT 44 51.0N DAY 29 DATA USE 1 BAROMETER 0994.2 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 049 20.0N HOUR 23.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 820 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
23.1	STD	00000	01.34	32.78	26.25	00.000	1453.2							
	OBS	00005	01.34	32.78	26.25		1453.3							
	STD	00010	01.31	32.80	26.27	00.018	1453.2							
	STD	00020	01.41	32.84	26.31	00.033	1453.0							
	OBS	00020	01.40	32.84	26.31		1453.0							
	STD	00030	01.28	32.85	26.32	00.052	1452.6							
	OBS	00034	01.21	32.85	26.33		1452.4							
	STD	00050	00.92	32.87	26.34	00.086	1451.3							
	OBS	00053	00.82	32.88	26.38		1451.0							
	OBS	00062	00.44	32.92	26.43		1449.5							
	OBS	00064	- 0.13	33.02	26.54		1447.0							
	STD	00075	- 0.17	33.03	26.55	00.126	1447.0							
	OBS	00076	- 0.17	33.03	26.55		1447.0							
	OBS	00083	- 0.16	33.04	26.55		1447.2							

REFID 31 8443 YEAR 1975 BOTDP 00042 AIR TEMP 03.6 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SO 1306
 CONSEC 0042 MONTH 05 SHIP EV WET BULB 03.6 22 2 3 WIND-SPD 20 TRACE DIA 0 5 SQUARE 2
 LAT 44 40.3N DAY 30 DATA USE 1 BAROMETER 0995.7 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 049 08.3N HOUR 01.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 821 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
01.7	STD	00000	01.38	32.83	26.30	00.000	1452.5							
	OBS	00000	01.38	32.83	26.30		1452.5							
	STD	00010	01.38	32.84	26.31	00.017	1452.7							
	OBS	00011	01.37	32.84	26.31		1452.7							
	STD	00020	01.27	32.85	26.32	00.034	1452.4							
	OBS	00020	01.25	32.85	26.33		1452.3							
	STD	00030	01.05	32.88	26.36	00.051	1451.6							
	OBS	00034	00.92	32.89	26.38		1451.1							
	OBS	00047	00.38	32.91	26.42		1448.9							
	STD	00050	00.34	32.94	26.45	00.084	1448.8							
	OBS	00051	00.32	32.95	26.46		1448.8							
	OBS	00053	00.31	32.94	26.45		1448.7							

REFID 31 8443 YEAR 1975 BOTDP 00106 AIR TEMP 02.7 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SO 1306
 CONSEC 0043 MONTH 05 SHIP EV WET BULB 01.0 25 1 2 WIND-SPD 20 TRACE DIA 0 5 SQUARE 2
 LAT 44 38.0N DAY 30 DATA USE 1 BAROMETER 0995.0 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 049 08.3N HOUR 02.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 822 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
02.9	STD	00000	00.72	32.87	26.37	00.000	1449.6							
	OBS	00001	00.72	32.87	26.37		1449.7							
	STD	00010	00.72	32.84	26.37	00.017	1449.8							
	OBS	00011	00.72	32.84	26.37		1449.8							
	OBS	00015	00.47	32.88	26.38		1449.7							
	STD	00020	00.39	32.88	26.40	00.033	1448.5							
	OBS	00022	00.31	32.90	26.42		1448.2							
	OBS	00026	00.29	32.94	26.45		1448.2							
	OBS	00028	- 0.38	33.01	26.54		1445.2							
	STD	00030	- 0.45	33.03	26.56	00.045	1445.0							
	OBS	00034	- 0.64	33.07	26.60		1444.2							
	STD	00050	- 0.74	33.12	26.64	00.078	1444.1							
	OBS	00051	- 0.79	33.12	26.64		1444.1							
	STD	00075	- 0.84	33.15	26.67	00.113	1444.1							
	OBS	00083	- 0.86	33.15	26.67		1444.1							
	OBS	00099	- 0.89	33.15	26.67		1444.2							
	STD	00100	- 0.89	33.15	26.67	00.147	1444.2							
	OBS	00100	- 0.89	33.15	26.67		1444.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NEOC STATION DATA															
OFFID 31 0443	YEAR 1975	BOTDP 01372	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN 50 1304								
CONSEC 0044	MONTH 05	SHIP EV	WET BULB 02.8	17 1 2	WIND-SPD 16	TRACE DIR	9 SQUARE 2								
LAT 44 34.0N	DAY 30	DATA USE 1	BAROMETER 0993.1	SEA	WIND-FOR	DURATION	2 SQUARE 48								
LONG 048 54.5W	HOUR 04.0	AREA 05	CLCUD 7/A	CL/TP	WEATHER X2	ORIG 011 823	1 SQUARE 48								
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	END VEL	CHYC	PO4	TOT P	NO2	NO3	SIG3	PH	
04.0	STD	00000	00.40	33.01	26.49	00.000	1449.3								
	OBS	00003	00.40	33.01	26.49		1449.3								
	STD	00010	00.59	33.01	26.49	00.015	1449.4								
	OBS	00011	00.59	33.01	26.49		1449.4								
	STD	00020	00.55	33.02	26.50	00.031	1449.4								
	OBS	00020	00.55	33.02	26.50		1449.4								
	STD	00030	00.46	33.02	26.51	00.046	1449.2								
	OBS	00034	00.45	33.04	26.52		1449.2								
	OBS	00047	00.51	33.17	26.63		1449.9								
	OBS	00049	00.15	33.18	26.65		1448.3								
	STD	00050	00.04	33.19	26.67	00.075	1447.8								
	OBS	00053	- 0.54	33.24	26.73		1445.1								
	OBS	00064	- 0.94	33.36	26.84		1443.7								
	STD	00075	- 0.83	33.38	26.86	00.108	1444.4								
	OBS	00078	- 0.80	33.39	26.86		1444.6								
	STD	00100	- 0.55	33.48	26.93	00.137	1446.3								
	OBS	00102	- 0.53	33.49	26.93		1446.4								
	STD	00125	- 0.43	33.52	26.96	00.165	1447.3								
	OBS	00127	- 0.42	33.53	26.96		1447.4								
	STD	00150	- 0.26	33.59	27.00	00.192	1448.6								
	OBS	00150	- 0.25	33.59	27.00		1448.7								
	OBS	00161	00.04	33.71	27.09		1450.4								
	OBS	00175	00.63	33.89	27.20		1453.5								
	OBS	00194	00.79	33.95	27.24		1454.6								
	OBS	00199	01.24	34.13	27.35		1457.0								
	STD	00200	01.24	34.13	27.35	00.237	1457.0								
	OBS	00207	01.26	34.12	27.34		1457.2								
	OBS	00230	01.60	34.27	27.44		1459.3								
	STD	00250	01.87	34.38	27.51	00.270	1461.0								
	OBS	00255	01.91	34.40	27.52		1461.2								
	OBS	00277	01.94	34.40	27.52		1461.8								
	STD	00300	02.04	34.44	27.54	00.295	1462.6								
	OBS	00302	02.05	34.44	27.54		1462.7								
	OBS	00350	02.15	34.48	27.57		1464.0								
	STD	00400	02.76	34.67	27.66	00.351	1467.7								
	OBS	00401	02.77	34.67	27.66		1467.8								
	OBS	00453	03.05	34.72	27.68		1469.9								
	STD	00500	03.19	34.75	27.69	00.397	1471.3								
	OBS	00500	03.19	34.75	27.69		1471.3								
	OBS	00552	03.44	34.81	27.71		1473.3								
	STD	00600	03.46	34.82	27.72	00.441	1474.2								
	OBS	00603	03.46	34.82	27.72		1474.3								
	OBS	00652	03.50	34.82	27.72		1475.3								
	STD	00700	03.52	34.83	27.72	00.485	1476.2								
	OBS	00702	03.52	34.83	27.72		1476.2								
	OBS	00757	03.53	34.84	27.73		1477.2								
	STD	00800	03.57	34.85	27.73	00.525	1478.1								
	OBS	00805	03.57	34.85	27.73		1478.1								
	OBS	00860	03.53	34.85	27.74		1478.9								
	STD	00900	03.52	34.85	27.74	00.574	1479.5								
	OBS	00900	03.52	34.85	27.74		1479.5								
	OBS	00959	03.52	34.85	27.74		1480.5								
	STD	01000	03.52	34.85	27.74	00.615	1481.2								
	OBS	01003	03.52	34.85	27.74		1481.2								
	OBS	01050	03.50	34.85	27.74		1481.5								

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA

REFID 31 0463	YEAR 1975	BOATOP 03696	AIR TEMP 02.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEM SG 1306
CONSEC 0043	MONTH 05	SHIP EV	WET BULB 02.5	99 X X	WIND-SPD 18	TRACE DIR	5 SQUARE 2
LA" 44 32.7N	DAY 30	DATA USE 1	BAROMETER 0994.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 40
LONG 048 41.3W	MOOR 06.1	AREA 05	CLOUD T/A	CL/7R	WEATHER X2	DRG 011 024	1 SQUARE 40

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	CHYG	PO4	TCT P	NO2	NO3	SIO3	PH
06.1 STD	00000	01.24	33.06	33.06	26.49	00.000	1452.2							
OBS	00000	01.24	33.06	33.06	26.49		1452.2							
STD	00010	01.24	33.06	33.06	26.49	00.015	1452.4							
OBS	00010	01.24	33.06	33.06	26.49		1452.4							
STD	00020	01.25	33.07	33.07	26.50	00.031	1452.6							
OBS	00020	01.25	33.07	33.07	26.50		1452.6							
STD	00030	01.31	33.16	33.16	26.57	00.046	1453.2							
OBS	00030	01.31	33.16	33.16	26.57		1453.2							
STD	00050	01.40	33.33	33.33	26.70	00.074	1454.1							
OBS	00050	01.40	33.33	33.33	26.70		1454.1							
STD	00075	01.80	33.88	33.88	27.11	00.103	1457.1							
OBS	00075	01.80	33.88	33.88	27.11		1457.1							
STD	00100	01.24	34.04	34.04	27.28	00.125	1455.2							
OBS	00100	01.24	34.04	34.04	27.28		1455.2							
OBS	00120	01.67	34.21	34.21	27.35		1457.8							
STD	00125	01.68	34.23	34.23	27.40	00.144	1457.8							
OBS	00137	01.73	34.28	34.28	27.44		1458.3							
STD	00150	01.85	34.33	34.33	27.47	00.160	1459.2							
OBS	00154	01.89	34.35	34.35	27.48		1459.4							
OBS	00178	02.04	34.41	34.41	27.52		1460.6							
STD	00200	02.13	34.46	34.46	27.55	00.190	1461.4							
OBS	00207	02.15	34.47	34.47	27.56		1461.6							
OBS	00230	02.14	34.47	34.47	27.56		1461.6							
OBS	00241	01.99	34.50	34.50	27.59		1461.5							
STD	00250	02.20	34.54	34.54	27.61	00.216	1462.6							
OBS	00258	02.39	34.58	34.58	27.63		1463.7							
OBS	00277	02.44	34.62	34.62	27.63		1465.2							
STD	00300	02.78	34.65	34.65	27.65	00.241	1466.1							
OBS	00306	02.82	34.66	34.66	27.65		1466.4							
OBS	00352	03.07	34.71	34.71	27.67		1468.3							
STD	00400	03.76	34.86	34.86	27.72	00.285	1472.2							
OBS	00401	03.77	34.86	34.86	27.72		1472.3							
OBS	00468	03.71	34.85	34.85	27.72		1473.2							
STD	00500	03.89	34.88	34.88	27.72	00.328	1474.5							
OBS	00504	03.85	34.88	34.88	27.72		1474.6							
OBS	00550	03.64	34.86	34.86	27.73		1474.2							
OBS	00563	03.68	34.87	34.87	27.74		1474.6							
OBS	00571	03.95	34.91	34.91	27.74		1475.5							
STD	00600	03.93	34.90	34.90	27.74	00.371	1476.3							
OBS	00607	03.91	34.90	34.90	27.74		1476.4							
OBS	00651	03.66	34.86	34.86	27.73		1476.0							
STD	00700	03.55	34.87	34.87	27.75	00.413	1476.5							
OBS	00702	03.59	34.87	34.87	27.75		1476.6							
OBS	00753	03.55	34.87	34.87	27.75		1477.2							
STD	00800	03.53	34.87	34.87	27.75	00.455	1477.5							
OBS	00805	03.53	34.87	34.87	27.75		1478.0							
OBS	00856	03.53	34.86	34.86	27.74		1478.9							
STD	00900	03.52	34.87	34.87	27.75	00.498	1475.6							
OBS	00908	03.52	34.87	34.87	27.75		1479.7							
OBS	00957	03.50	34.87	34.87	27.76		1480.4							
STD	01000	03.51	34.87	34.87	27.75	00.541	1481.2							
OBS	01010	03.51	34.87	34.87	27.75		1481.4							
OBS	01056	03.52	34.88	34.88	27.76		1482.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA														
REFID 31 0463	YEAR 1975	BOTDP 03319	AIR TEMP 03.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306							
CONSEC 0046	MONTH 05	S-IP EV	WET BULB 03.4	23 2 5	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2							
LAT 44 27.2N	DAY 30	DATA USE 1	BAROMETER 0964.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 40							
LONG 048 16.8W	HOUR 09.3	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 825	1 SQUARE 40							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SD	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	MO2	MO3	SI03	PH
09.3	STD	00000	03.53	33.22	26.44	00.000	1462.5							
	OBS	00003	03.53	33.225	26.44		1462.5							
	OBS	00005	03.55	33.215	26.43		1462.6							
	STD	00010	03.55	33.22	26.44	00.016	1462.7							
	STD	00020	03.54	33.22	26.44	00.032	1462.8							
	STD	00030	03.53	33.22	26.44	00.048	1463.0							
	OBS	00030	03.53	33.22	26.44		1463.0							
	OBS	00036	02.05	33.23	26.57		1456.7							
	OBS	00041	02.01	33.25	26.59		1456.6							
	OBS	00047	05.29	33.66	26.60		1471.2							
	STD	00050	04.28	33.53	26.61	00.078	1466.9							
	OBS	00055	02.14	33.50	26.78		1457.7							
	OBS	00059	00.61	33.70	27.05		1451.2							
	OBS	00072	01.83	33.81	27.05		1457.1							
	OBS	00074	02.15	33.87	27.08		1458.6							
	STD	00075	02.18	33.87	27.07	00.105	1458.7							
	OBS	00078	02.28	33.86	27.06		1459.2							
	OBS	00079	02.35	33.92	27.10		1459.6							
	OBS	00081	01.83	33.89	27.12		1457.3							
	OBS	00085	02.28	33.94	27.12		1459.4							
	OBS	00095	02.48	34.11	27.23		1461.6							
	STD	00100	02.80	34.16	27.26	00.132	1462.2							
	OBS	00102	02.94	34.20	27.27		1463.0							
	OBS	00114	04.10	34.44	27.35		1468.4							
	STD	00125	04.23	34.48	27.37	00.151	1469.2							
	OBS	00125	04.24	34.48	27.37		1469.2							
	OBS	00135	04.30	34.47	27.35		1469.6							
	OBS	00140	05.11	34.66	27.41		1473.3							
	STD	00150	05.11	34.63	27.39	00.165	1473.4							
	OBS	00152	05.09	34.63	27.39		1473.4							
	OBS	00177	04.47	34.61	27.45		1471.2							
	OBS	00184	04.50	34.64	27.47		1471.5							
	OBS	00190	04.73	34.70	27.49		1472.6							
	STD	00200	04.68	34.70	27.45	00.203	1472.6							
	OBS	00213	04.61	34.69	27.50		1472.5							
	OBS	00215	04.75	34.70	27.49		1473.1							
	OBS	00226	04.40	34.72	27.54		1471.5							
	OBS	00243	04.48	34.76	27.58		1472.6							
	STD	00250	04.75	34.83	27.59	00.232	1473.6							
	OBS	00257	04.98	34.87	27.60		1475.0							
	OBS	00277	05.18	34.85	27.59		1476.2							
	OBS	00287	04.70	34.84	27.60		1474.3							
	OBS	00291	04.67	34.85	27.62		1474.2							
	STD	00300	04.55	34.90	27.62	00.258	1475.6							
	OBS	00302	04.97	34.90	27.62		1475.7							
	OBS	00327	03.71	34.73	27.62		1470.7							
	OBS	00346	04.21	34.85	27.67		1473.2							
	OBS	00357	04.77	34.92	27.66		1475.9							
	OBS	00363	04.75	34.93	27.67		1476.0							
	OBS	00378	05.50	35.06	27.68		1479.4							
	OBS	00395	05.54	35.06	27.68		1479.8							
	STD	00400	05.45	35.05	27.68	00.302	1479.5							
	OBS	00411	05.25	35.02	27.68		1478.8							
	OBS	00434	05.00	35.00	27.70		1478.5							
	OBS	00460	04.91	34.99	27.70		1478.2							
	OBS	00470	04.48	34.93	27.70		1476.5							
	STD	00500	04.77	34.95	27.72	00.354	1478.3							
	OBS	00506	04.80	35.00	27.72		1478.5							
	OBS	00550	04.72	35.00	27.73		1478.9							
	STD	00600	04.65	35.00	27.74	00.398	1479.5							
	OBS	00605	04.63	35.00	27.74		1479.5							
	OBS	00651	04.52	34.99	27.74		1475.8							
	STD	00700	04.48	35.00	27.76	00.441	1480.4							
	OBS	00702	04.47	35.00	27.76		1480.4							
	OBS	00734	04.20	34.96	27.75		1479.8							
	OBS	00755	04.25	34.96	27.75		1480.3							
	STD	00800	04.10	34.94	27.75	00.484	1480.4							
	OBS	00805	04.09	34.94	27.75		1480.5							
	OBS	00852	04.06	34.96	27.77		1481.3							
	STD	00900	03.95	34.94	27.77	00.527	1481.5							
	OBS	00900	03.95	34.94	27.77		1481.5							
	OBS	00931	03.87	34.92	27.76		1482.0							
	STD	01000	03.91	34.94	27.77	00.570	1482.9							
	OBS	01001	03.91	34.94	27.77		1483.0							
	OBS	01048	03.82	34.93	27.77		1483.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA															
REFID	31	8463	YEAR	1975	BOTOP	02372	ATP	TEMP	08.0	DIR	HGT	PER	WIND-DIR	23	INST
CONSEC	3347	MCNTH	05	S-IP	EV	WET	BULB	05.9	21	4	5	WIND-SPD	30	TRACE	DIR
LA"	44 23.7N	DAY	30	DATA	USE	1	BAROMETER	0593.0	SEA	CL/	TR	WEATHER	X2	DURATION	00.4
LONG	047 52.4W	HOUR	12.0	AREA	05	CLUD	T/A							DRSG	011 826 07
TEN	50	1306													
5	SQUARE	2													
2	SQUARE	46													
1	SQUARE	47													
CAS	NUM	TIME	LVL	TP	DEPTH	TEMP	SAL	SIGMA-T	DYN	DP	SNC	VEL	OXYG	PO4	TOT
			STD		00000	10.02	34.87	26.87	00.000		1450.3				
			OBS		00001	10.02	34.87	26.87			1450.3				
			STD		00010	10.03	34.86	26.86	00.012		1490.5				
			OBS		00011	10.03	34.86	26.86			1490.5				
			STD		00020	10.03	34.86	26.86	00.024		1450.7				
			OBS		00030	10.04	34.86	26.86	00.036		1490.8				
			OBS		00032	10.04	34.86	26.86			1490.8				
			OBS		00034	10.05	34.85	26.88			1491.0				
			OBS		00045	10.64	35.03	26.88			1453.5				
			STD		00050	10.80	35.11	26.91	00.060		1494.2				
			OBS		00057	11.11	35.22	26.95			1455.6				
			OBS		00066	11.63	35.34	26.94			1457.7				
			STD		00075	11.74	35.36	26.94	00.085		1499.3				
			OBS		00078	11.79	35.37	26.93			1498.5				
			STD		00100	11.88	35.43	26.96	00.117		1499.2				
			OBS		00100	11.88	35.43	26.96			1499.2				
			STD		00125	11.60	35.37	26.97	00.145		1498.6				
			OBS		00125	11.58	35.37	26.97			1498.5				
			OBS		00140	11.02	35.29	27.02			1456.7				
			STD		00150	10.03	35.14	27.07	00.172		1493.1				
			OBS		00152	09.96	35.13	27.08			1492.9				
			OBS		00155	10.27	35.21	27.09			1494.3				
			OBS		00175	10.00	35.14	27.10			1493.5				
			OBS		00186	09.50	35.07	27.11			1491.7				
			OBS		00190	08.80	34.96	27.14			1485.0				
			OBS		00194	08.78	34.96	27.14			1485.0				
			STD		00200	08.55	34.95	27.17	00.222		1488.2				
			OBS		00203	08.41	34.86	27.12			1487.6				
			OBS		00205	07.94	34.79	27.14			1485.8				
			OBS		00226	07.76	34.82	27.19			1485.5				
			STD		00250	07.87	34.88	27.22	00.268		1486.4				
			OBS		00251	07.89	34.88	27.22			1486.5				
			OBS		00255	07.96	34.89	27.21			1486.8				
			OBS		00266	07.85	34.94	27.26			1486.8				
			OBS		00268	07.51	34.89	27.28			1485.3				
			OBS		00281	07.37	34.85	27.27			1484.6				
			OBS		00291	06.83	34.74	27.26			1482.8				
			OBS		00293	06.26	34.74	27.33	00.310		1480.6				
			STD		00300	05.99	34.72	27.35			1479.6				
			OBS		00300	05.97	34.72	27.36			1479.5				
			OBS		00312	05.50	34.72	27.37			1479.4				
			OBS		00317	06.83	34.54	27.42			1483.5				
			OBS		00333	06.33	34.84	27.40			1481.7				
			OBS		00352	06.04	34.81	27.42			1480.8				
			OBS		00357	05.91	34.79	27.42			1480.3				
			OBS		00363	05.56	34.75	27.43			1475.0				
			OBS		00369	05.49	34.71	27.41			1478.7				
			OBS		00373	05.22	34.68	27.42			1477.6				
			OBS		00390	04.55	34.76	27.51			1476.9				
			OBS		00394	05.48	34.64	27.51			1475.2				
			OBS		00399	05.63	34.88	27.53			1480.0				
			STD		00400	05.62	34.88	27.53	00.380		1480.0				
			OBS		00403	05.54	34.86	27.52			1479.7				
			OBS		00405	05.56	34.86	27.52			1479.8				
			OBS		00413	05.13	34.82	27.54			1478.1				
			OBS		00426	05.04	34.81	27.54			1477.9				
			OBS		00428	05.40	34.89	27.56			1475.6				
			OBS		00451	05.24	34.88	27.57			1479.3				
			OBS		00458	05.25	34.85	27.58			1475.4				
			OBS		00460	04.68	34.80	27.57			1477.0				
			OBS		00470	04.59	34.82	27.60			1476.8				
			OBS		00474	04.86	34.89	27.63			1478.1				
			OBS		00487	05.41	34.95	27.64			1480.7				
			OBS		00498	05.22	34.93	27.62			1480.0				
			STD		00500	05.06	34.91	27.62	00.438		1479.4				
			OBS		00502	04.81	34.89	27.63			1478.4				
			OBS		00517	04.68	34.88	27.64			1478.1				
			OBS		00531	04.88	34.94	27.66			1479.2				
			OBS		00540	05.31	35.02	27.68			1481.2				
			OBS		00546	05.52	35.07	27.69			1482.2				
			OBS		00559	05.61	35.09	27.65			1482.8				
			STD		00600	05.39	35.07	27.71	00.488		1482.6				
			OBS		00601	05.38	35.07	27.71			1482.6				
			OBS		00651	05.16	35.05	27.72			1482.5				
			STD		00700	04.98	35.03	27.72	00.536		1482.5				
			OBS		00702	04.97	35.03	27.72			1482.5				
			OBS		00750	04.77	35.02	27.74			1482.5				
			STD		00800	04.56	34.98	27.73	00.582		1482.4				
			OBS		00807	04.54	34.98	27.73			1482.4				
			OBS		00852	04.41	34.98	27.75			1482.4				
			STD		00900	04.32	34.98	27.76	00.627		1483.1				
			OBS		00911	04.30	34.98	27.76			1483.2				
			OBS		00955	04.23	34.985	27.77			1483.6				
			STD		01000	04.14	34.98	27.78	00.671		1484.0				
			OBS		01007	04.12	34.975	27.78			1484.0				
			OBS		01062	03.86	34.93	27.77			1483.8				
			OBS		01064	03.86	34.93	27.77			1483.8				

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATIC DATA

REF ID 31 0463 YEAR 1975 BOTDP 03635 AIR TEMP 08.7 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
 CDATEC 0048 MONTH 05 SHIP EV WET BULB 07.0 23 5 4 WIND-SPD 22 TRACE DIA D 5 SQUARE 2
 LAT 44 17.5N DAY 30 DATA USE 1 BAROMETER 0993.8 SEA CL/TR WIND-FOR DURATION 00.6 2 SQUARE 46
 LONG 147 22.8W HOUR 15.2 AREA 05 CLOUD T/A WEATHER X2 DRIP 011 827 10 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.2	STD	00000	10.73	35.04	26.87	00.000	1493.1							
	OBS	00001	10.73	35.04	26.87		1493.1							
	STD	00010	10.73	35.04	26.88	00.012	1493.2							
	STD	00020	10.73	35.05	26.88	00.024	1493.4							
	STD	00030	10.73	35.05	26.88	00.036	1493.6							
	OBS	00032	10.73	35.05	26.88		1493.6							
	STD	00050	10.74	35.05	26.88	00.056	1493.6							
	OBS	00053	10.75	35.05	26.88		1494.0							
	STD	00075	10.96	35.11	26.88	00.085	1495.2							
	OBS	00076	10.97	35.11	26.89		1495.3							
	OBS	00093	11.25	35.20	26.90		1496.6							
	STD	00100	11.39	35.24	26.91	00.119	1497.3							
	OBS	00100	11.41	35.25	26.91		1497.4							
	STD	00125	11.61	35.35	26.95	00.148	1498.6							
	OBS	00125	11.61	35.35	26.95		1498.6							
	STD	00150	11.31	35.40	27.01	00.176	1498.7							
	OBS	00152	11.47	35.40	27.02		1498.6							
	OBS	00159	11.32	35.38	27.03		1498.2							
	OBS	00161	10.91	35.32	27.06		1496.7							
	OBS	00173	10.77	35.30	27.07		1496.4							
	OBS	00175	10.56	35.28	27.09		1495.7							
	OBS	00184	10.12	35.16	27.08		1494.1							
	OBS	00190	10.03	35.15	27.08		1493.8							
	OBS	00192	09.44	35.07	27.12		1491.6							
	STD	00200	09.26	35.05	27.14	00.226	1491.0							
	OBS	00201	09.26	35.05	27.13		1491.0							
	OBS	00205	09.30	35.06	27.14		1491.3							
	OBS	00209	08.44	34.95	27.19		1488.0							
	OBS	00213	08.07	34.86	27.17		1486.5							
	OBS	00230	08.15	34.89	27.18		1487.1							
	OBS	00236	08.28	34.92	27.19		1487.8							
	STD	00250	07.71	34.85	27.22	00.275	1485.7							
	OBS	00253	07.60	34.84	27.23		1485.3							
	OBS	00272	07.03	34.77	27.25		1483.3							
	OBS	00283	07.85	34.95	27.28		1486.6							
	STD	00300	07.36	34.88	27.30	00.318	1485.2							
	OBS	00302	07.33	34.87	27.29		1485.1							
	OBS	00304	07.32	34.88	27.30		1485.1							
	OBS	00317	06.87	34.82	27.32		1483.5							
	OBS	00340	06.18	34.76	27.36		1481.1							
	OBS	00344	05.60	34.70	27.39		1478.7							
	OBS	00350	05.45	34.65	27.40		1478.2							
	STD	00400	05.39	34.78	27.47	00.394	1478.6							
	OBS	00403	05.38	34.78	27.48		1478.6							
	OBS	00432	05.26	34.80	27.51		1478.6							
	OBS	00466	05.22	34.85	27.55		1479.4							
	OBS	00470	04.91	34.80	27.55		1478.1							
	OBS	00481	04.79	34.80	27.56		1477.8							
	OBS	00493	04.39	34.78	27.59		1476.3							
	OBS	00496	04.73	34.83	27.59		1477.9							
	STD	00500	04.70	34.83	27.60	00.455	1477.8							
	OBS	00506	04.63	34.83	27.60		1477.6							
	OBS	00510	04.63	34.90	27.63		1479.0							
	OBS	00533	04.79	34.88	27.63		1478.8							
	OBS	00544	04.32	34.80	27.61		1476.6							
	OBS	00553	04.35	34.82	27.63		1477.2							
	OBS	00561	04.05	34.78	27.63		1476.0							
	OBS	00565	03.98	34.80	27.65		1475.8							
	OBS	00578	04.44	34.88	27.67		1478.1							
	OBS	00590	04.65 P	34.88	27.64Q									
	STD	00600	04.19	34.86	27.68	00.507	1477.4							
	OBS	00609	04.16	34.85	27.67		1477.4							
	OBS	00611	04.16	34.87	27.69		1477.4							
	OBS	00614	04.64	34.96	27.71		1479.6							
	OBS	00643	04.62	34.96	27.71		1480.0							
	OBS	00652	04.47	34.93	27.70		1479.5							
	STD	00700	04.65	34.98	27.72	00.554	1481.1							
	OBS	00704	04.66	34.98	27.72		1481.2							
	OBS	00755	04.57	34.98	27.73		1481.7							
	STD	00800	04.47	34.97	27.73	00.600	1482.0							
	OBS	00801	04.47	34.97	27.73		1482.0							
	OBS	00850	04.30	34.95	27.74		1482.1							
	STD	00900	04.20	34.95	27.75	00.646	1482.5							
	OBS	00900	04.20	34.95	27.75		1482.5							
	OBS	00953	04.12	34.95	27.76		1483.1							
	OBS	00967	03.91	34.92	27.75		1482.5							
	STD	01000	03.91	34.92	27.75	00.691	1482.9							
	OBS	01001	03.91	34.92	27.75		1482.9							
	OBS	01054	03.95	34.93	27.76		1484.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA

SSFID 31 8463 YEAR 1975 BOTOP 03906 AIR TEMP 07.6 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1306
 CONSEC 0045 MONTH 05 SHIP EV WET BULB 05.9 23 5 3 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
 LAT 44 12.5N DAY 30 DATA USE 1 BAROMETR 0596.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
 LONG 046 56.2W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG CIL 828 1 SQUARE 46

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.3	STD	00000	09.86	34.88	26.90	00.000	1485.7							
	OBS	00003	09.86	34.88	26.90		1489.8							
	STD	00010	09.86	34.88	26.90	00.012	1485.5							
	OBS	00015	09.86	34.88	26.90		1490.0							
	STD	00020	09.87	34.88	26.90	00.023	1490.1							
	OBS	00020	09.87	34.88	26.90		1490.1							
	STD	00030	09.89	34.89	26.90	00.035	1490.3							
	OBS	00030	09.89	34.89	26.90		1490.3							
	STD	00050	09.95	34.90	26.90	00.058	1490.9							
	OBS	00051	09.95	34.90	26.90		1490.9							
	OBS	00064	09.93	34.93	26.93		1491.1							
	OBS	00066	09.97	34.96	26.95		1491.3							
	OBS	00068	09.92	34.96	26.95		1491.2							
	OBS	00074	09.68	34.93	26.97		1490.3							
	STD	00075	09.36	34.85	26.95	00.087	1485.1							
	OBS	00079	07.77	34.66	27.06		1482.5							
	OBS	00083	06.97	34.53	27.07		1479.7							
	STD	00100	06.71	34.56	27.14	00.112	1479.0							
	OBS	00104	06.65	34.57	27.15		1478.8							
	STD	00125	06.46	34.58	27.18	00.136	1478.4							
	OBS	00125	06.45	34.58	27.18		1478.4							
	STD	00150	06.76	34.68	27.22	00.158	1480.1							
	OBS	00150	06.76	34.68	27.22		1480.2							
	OBS	00171	06.89	34.75	27.26		1481.1							
	OBS	00178	06.65	34.71	27.25		1480.4							
	OBS	00180	06.33	34.63	27.24		1478.6							
	OBS	00192	06.53	34.82	27.31		1481.7							
	OBS	00194	06.94	34.81	27.30		1481.8							
	STD	00200	06.81	34.82	27.32	00.200	1481.4							
	OBS	00201	06.78	34.82	27.33		1481.3							
	OBS	00218	06.56	34.79	27.33		1480.6							
	OBS	00226	06.74	34.82	27.33		1481.5							
	STD	00250	05.67	34.78	27.40	00.238	1478.8							
	OBS	00257	05.86	34.77	27.41		1478.4							
	OBS	00276	05.83	34.81	27.45		1478.7							
	STD	00300	05.84	34.87	27.49	00.272	1475.2							
	OBS	00304	05.84	34.87	27.49		1479.3							
	OBS	00316	05.68	34.86	27.50		1478.8							
	OBS	00325	06.08	34.94	27.52		1480.7							
	OBS	00342	05.53	34.88	27.54		1478.7							
	OBS	00350	05.46	34.89	27.55		1478.5							
	OBS	00376	05.51	34.90	27.56		1479.2							
	OBS	00378	05.16	34.87	27.57		1477.7							
	STD	00400	05.08	34.89	27.60	00.331	1477.8							
	OBS	00401	05.07	34.85	27.60		1477.8							
	OBS	00403	05.40	34.97	27.63		1479.3							
	OBS	00445	05.18	34.95	27.64		1479.0							
	OBS	00454	04.57	34.91	27.63		1478.3							
	OBS	00462	04.89	34.91	27.64		1478.1							
	OBS	00472	05.11	34.97	27.66		1479.2							
	STD	00500	04.89	34.94	27.66	00.383	1478.7							
	OBS	00500	04.87	34.94	27.66		1478.6							
	OBS	00517	05.15	34.95	27.67		1480.1							
	OBS	00529	04.84	34.95	27.68		1479.0							
	OBS	00553	04.79	34.96	27.69		1479.2							
	STD	00600	04.72	34.97	27.70	00.432	1475.7							
	OBS	00601	04.72	34.97	27.71		1479.7							
	OBS	00651	04.64	34.99	27.73		1480.3							
	STD	00700	04.49	34.97	27.73	00.478	1480.4							
	OBS	00706	04.48	34.97	27.73		1480.5							
	OBS	00751	04.45	34.98	27.74		1481.1							
	STD	00800	04.33	34.96	27.74	00.522	1481.4							
	OBS	00803	04.32	34.96	27.74		1481.4							
	OBS	00852	04.29	34.98	27.76		1482.1							
	STD	00900	04.34	34.98	27.76	00.567	1483.1							
	OBS	00900	04.34	34.98	27.76		1483.1							
	OBS	00953	04.10	34.96	27.77		1483.0							
	STD	01000	04.05	34.96	27.77	00.611	1483.6							
	OBS	01001	04.05	34.96	27.77		1483.6							
	OBS	01033	03.98	34.95	27.77		1483.8							
	OBS	01058	03.98	34.95	27.77		1484.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8463	YEAR 1975	BCTOP 03854	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN 50 1306							
CONSEC 0050	MONTH 05	SHIP EV	WET BULB 06.5	24 4 4	WIND-SPD 24	TRACE DIR	5 SQUARE 2							
LAT 4- 07.8N	DAY 30	DATA USE 1	BAROMETER 0997.2	SEA	WIND-FOR	DURATION	2 SQUARE 46							
LONG 046 23.5W	MOOR 21.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG C11 829	1 SQUARE 46							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SHD VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
21.5	STD	00000	08.75	34.45	26.75	00.000	1485.1							
	OBS	00000	08.75	34.45	26.75		1485.1							
	STD	00010	08.74	34.45	26.75	00.013	1485.2							
	OBS	00010	08.74	34.45	26.75		1485.2							
	STD	00020	08.74	34.45	26.75	00.026	1485.3							
	OBS	00020	08.74	34.45	26.75		1485.3							
	STD	00030	08.75	34.45	26.75	00.035	1485.5							
	OBS	00030	08.75	34.45	26.75		1485.5							
	STD	00050	10.48	34.94	26.84	00.065	1492.9							
	OBS	00050	10.48	34.94	26.84		1492.9							
	OBS	00053	06.05	34.72	26.91		1487.4							
	OBS	00064	08.87	34.82	27.02		1487.0							
	OBS	00068	08.48	34.75	27.02		1485.6							
	OBS	00070	07.91	34.72	27.09		1483.4							
	STD	00075	07.69	34.70	27.11	00.052	1482.6							
	STD	00100	06.94	34.65	27.17	00.116	1480.0							
	OBS	00110	06.85	34.64	27.18		1479.8							
	OBS	00114	06.85	34.64	27.18		1479.9							
	STD	00125	06.85	34.63	27.17	00.139	1480.0							
	OBS	00125	06.85	34.63	27.17		1480.0							
	STD	00150	06.94	34.71	27.22	00.162	1480.9							
	OBS	00169	07.01	34.77	27.26		1481.6							
	OBS	00173	06.04	34.63	27.28		1477.6							
	OBS	00184	06.79	34.83	27.33		1481.0							
	STD	00200	06.77	34.83	27.34	00.203	1481.2							
	OBS	00228	06.72	34.83	27.34		1481.5							
	OBS	00232	07.03	34.51	27.36		1482.9							
	STD	00250	06.83	34.95	27.42	00.241	1482.4							
	OBS	00251	06.83	34.95	27.42		1482.4							
	OBS	00260	06.85	34.99	27.45		1482.7							
	STD	00300	06.27	34.92	27.47	00.275	1481.0							
	OBS	00304	06.20	34.91	27.48		1480.8							
	OBS	00310	06.35	34.97	27.50		1481.5							
	OBS	00335	06.20	34.97	27.52		1481.4							
	OBS	00359	05.80	34.90	27.52		1480.1							
	OBS	00373	05.05	34.83	27.56		1477.1							
	OBS	00375	04.92	34.85	27.56		1476.7							
	STD	00400	05.11	34.50	27.60	00.335	1477.9							
	OBS	00416	05.16	34.92	27.61		1478.4							
	OBS	00451	05.08	34.95	27.65		1478.7							
	STD	00500	05.16	34.98	27.66	00.388	1479.9							
	OBS	00500	05.16	34.98	27.66		1479.9							
	OBS	00552	05.04	34.98	27.68		1480.3							
	STD	00600	04.76	34.97	27.70	00.437	1480.0							
	OBS	00605	04.77	34.97	27.70		1480.0							
	OBS	00687	04.57	34.97	27.72		1480.5							
	STD	00700	04.56	34.98	27.73	00.483	1480.8							
	OBS	00700	04.59	34.98	27.73		1480.5							
	OBS	00750	04.61	34.99	27.73		1481.8							
	STD	00800	04.52	34.58	27.74	00.525	1482.2							
	OBS	00801	04.52	34.98	27.74		1482.2							
	OBS	00871	04.28	34.56	27.75		1482.4							
	STD	00900	04.25	34.56	27.75	00.574	1482.7							
	OBS	00902	04.25	34.56	27.75		1482.8							
	OBS	00946	04.21	34.56	27.75		1483.3							
	OBS	00987	04.21	34.56	27.75		1484.0							
	STD	01000	04.24	34.57	27.76	00.615	1484.4							
	OBS	01003	04.24	34.57	27.76		1484.4							
	OBS	01022	04.23	34.57	27.76		1484.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOR STATION DATA														
REFID 31 8463	YEAR 1975	BOTDP 03658	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306							
CONSEC 0051	MONTH 05	SHIP EV	MET BULB 05.5	24 2 5	WIND-SPD 26	TRACE DIR 0	5 SQUARE 2							
LA* 43 59.0N	DAY 31	DATA USE 1	BAROMETER 1000.3	SEA	WIND-PDR	DURATION 00.3	2 SQUARE 24							
LONG 049 44.0W	MOOR 01.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIS 011 830	1 SQUARE 35							
CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND VEL	OKYG	PO4	TOT P	ND2	ND3	SIG3	PH
01.1	STD	00000	06.70	34.74	26.82	00.000	1489.0							
	OBS	00000	06.70	34.74	26.82		1489.0							
	STD	00010	09.68	34.74	26.82	00.012	1489.1							
	OBS	00010	09.68	34.74	26.82		1489.1							
	STD	00020	09.68	34.74	26.82	00.025	1489.2							
	OBS	00020	09.68	34.74	26.82		1489.2							
	STD	00030	09.67	34.73	26.82	00.037	1489.3							
	OBS	00030	09.67	34.73	26.82		1489.3							
	STD	00050	09.30	34.72	26.87	00.062	1488.3							
	OBS	00050	09.30	34.72	26.87		1488.3							
	STD	00065	08.80	34.72	26.95		1486.7							
	OBS	00065	08.80	34.72	26.95	00.090	1486.7							
	STD	00075	07.50	34.54	27.01		1481.6							
	OBS	00075	07.50	34.54	27.01		1481.6							
	STD	00085	07.25	34.48	27.00		1480.7							
	OBS	00085	07.25	34.48	27.00	00.116	1480.7							
	STD	00100	07.88	34.77	27.13		1483.8							
	OBS	00100	07.88	34.77	27.13		1483.8							
	STD	00125	07.32	34.72	27.17	00.139	1482.0							
	OBS	00125	07.32	34.72	27.17		1482.0							
	STD	00150	07.07	34.73	27.22	00.162	1481.4							
	OBS	00150	07.07	34.73	27.22		1481.4							
	STD	00170	06.90	34.76	27.26		1481.1							
	OBS	00170	06.90	34.76	27.26		1481.1							
	STD	00175	06.45	34.71	27.29		1479.4							
	OBS	00175	06.45	34.71	27.29		1479.4							
	STD	00180	05.45	34.56	27.27		1476.3							
	OBS	00180	05.45	34.56	27.27	00.203	1476.3							
	STD	00200	05.85	34.68	27.34		1477.3							
	OBS	00200	05.85	34.68	27.34		1477.3							
	STD	00210	05.75	34.69	27.36		1477.1							
	OBS	00210	05.75	34.69	27.36		1477.1							
	STD	00225	06.25	34.79	27.38		1479.5							
	OBS	00225	06.25	34.79	27.38	00.240	1479.5							
	STD	00250	05.70	34.75	27.41		1477.6							
	OBS	00250	05.70	34.75	27.41		1477.6							
	STD	00280	05.30	34.71	27.43		1476.5							
	OBS	00280	05.30	34.71	27.43		1476.5							
	STD	00290	05.15	34.74	27.47		1476.1							
	OBS	00290	05.15	34.74	27.47	00.274	1476.1							
	STD	00300	05.38	34.80	27.49		1477.2							
	OBS	00300	05.38	34.80	27.49		1477.2							
	STD	00350	04.92	34.80	27.55		1476.2							
	OBS	00350	04.92	34.80	27.55		1476.2							
	STD	00400	04.85	34.84	27.55	00.334	1476.8							
	OBS	00400	04.85	34.84	27.55		1476.8							
	STD	00430	04.70	34.87	27.63		1476.7							
	OBS	00430	04.70	34.87	27.63		1476.7							
	STD	00450	04.95	34.93	27.65		1478.1							
	OBS	00450	04.95	34.93	27.65	00.396	1478.1							
	STD	00500	04.63	34.96	27.67		1478.9							
	OBS	00500	04.63	34.96	27.67		1478.9							
	STD	00600	04.80	34.98	27.70	00.434	1480.1							
	OBS	00600	04.80	34.98	27.70		1480.1							
	STD	00700	04.48	34.98	27.74	00.475	1480.4							
	OBS	00700	04.48	34.98	27.74		1480.4							
	STD	00747	04.57	35.00	27.75		1481.6							
	OBS	00747	04.57	35.00	27.75	00.524	1481.6							
	STD	00800	04.45	34.98	27.74		1481.9							
	OBS	00800	04.45	34.98	27.74		1481.9							
	STD	00900	04.30	34.98	27.76	00.568	1483.0							
	OBS	00900	04.30	34.98	27.76		1483.0							
	STD	01000	04.10	34.95	27.76	00.613	1483.8							
	OBS	01000	04.10	34.95	27.76		1483.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 0463	YEAR 1975	BOTOP 04460	AIR TEMP 06.0	DIR MGT PER	WIND-DIR 24	INST STC RECORDER	TEN SQ 1306								
CONSEC 0052	MONTH 05	SHIP EV	WET BULB 05.7	30 2 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 2								
LAT 43 53.4N	DAY 31	DATA USE 1	BAROMETR 1001.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 24								
LONG 045 14.3N	MOUR 03.8	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	ORIG CII 831	1 SQUARE 35								
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	CHYC	PO4	TOT P	NO2	NO3	SIO3	PH	
03.8	STD	00000	07.37	33.55	26.56	00.000	1479.1								
	OBS	00000	07.37	33.55	26.56		1479.1								
	STD	00010	07.25	33.95	26.58	00.015	1478.8								
	OBS	00010	07.25	33.95	26.58		1478.8								
	STD	00020	07.17	33.93	26.57	00.026	1478.6								
	OBS	00020	07.17	33.93	26.57		1478.6								
	STD	00030	07.13	33.93	26.58	00.044	1478.6								
	OBS	00030	07.13	33.93	26.58		1478.6								
	STD	00040	06.45	33.90	26.65		1476.1								
	OBS	00040	06.45	33.90	26.65	00.073	1476.1								
	STD	00050	05.95	33.83	26.66		1474.1								
	OBS	00050	05.95	33.83	26.66		1474.1								
	STD	00075	05.75	34.23	27.00	00.104	1474.3								
	OBS	00075	05.75	34.23	27.00		1474.3								
	STD	00100	07.15	34.59	27.10	00.130	1480.7								
	OBS	00100	07.15	34.59	27.10		1480.7								
	STD	00110	07.32	34.65	27.12		1481.6								
	OBS	00110	07.32	34.65	27.12	00.154	1481.6								
	STD	00125	07.27	34.67	27.14		1481.7								
	OBS	00125	07.27	34.67	27.14		1481.7								
	STD	00135	07.03	34.64	27.15		1480.9								
	OBS	00135	07.03	34.64	27.15		1480.9								
	STD	00140	07.22	34.68	27.16		1481.8								
	OBS	00140	07.22	34.68	27.16	00.176	1481.8								
	STD	00150	07.17	34.70	27.18		1481.8								
	OBS	00150	07.17	34.70	27.18		1481.8								
	STD	00170	07.20	34.75	27.21		1482.3								
	OBS	00170	07.20	34.75	27.21		1482.3								
	STD	00175	06.78	34.72	27.25		1480.7								
	OBS	00175	06.78	34.72	27.25		1480.7								
	STD	00184	06.95	34.72	27.23		1481.5								
	OBS	00184	06.95	34.72	27.23	00.222	1481.5								
	STD	00200	06.25	34.61	27.23		1478.9								
	OBS	00200	06.25	34.61	27.23		1478.9								
	STD	00215	06.00	34.54	27.21		1478.0								
	OBS	00215	06.00	34.54	27.21		1478.0								
	STD	00225	06.54	34.76	27.31		1480.6								
	OBS	00225	06.54	34.76	27.31		1480.6								
	STD	00230	06.66	34.78	27.31		1481.2								
	OBS	00230	06.66	34.78	27.31	00.264	1481.2								
	STD	00250	06.55	34.80	27.34		1481.1								
	OBS	00250	06.55	34.80	27.34		1481.1								
	STD	00280	06.08	34.78	27.39		1476.7								
	OBS	00280	06.08	34.78	27.39	00.301	1476.7								
	STD	00300	05.10	34.67	27.42		1475.9								
	OBS	00300	05.10	34.67	27.42		1475.9								
	STD	00325	04.17	34.57	27.45		1472.3								
	OBS	00325	04.17	34.57	27.45		1472.3								
	STD	00350	05.05	34.75	27.46		1476.6								
	OBS	00350	05.05	34.75	27.46		1476.6								
	STD	00360	05.34	34.81	27.50		1478.2								
	OBS	00360	05.34	34.81	27.50	00.366	1478.2								
	STD	00400	05.15	34.83	27.54		1478.0								
	OBS	00400	05.15	34.83	27.54		1478.0								
	STD	00405	05.04	34.82	27.55		1477.6								
	OBS	00405	05.04	34.82	27.55		1477.6								
	STD	00437	05.21	34.90	27.59		1478.9								
	OBS	00437	05.21	34.90	27.59		1478.9								
	STD	00450	05.15	34.92	27.62		1478.5								
	OBS	00450	05.15	34.92	27.62		1478.5								
	STD	00472	04.75	34.87	27.62		1477.6								
	OBS	00472	04.75	34.87	27.62	00.422	1477.6								
	STD	00500	04.63	34.87	27.64		1477.6								
	OBS	00500	04.63	34.87	27.64		1477.6								
	STD	00510	04.92	34.93	27.65		1479.0								
	OBS	00510	04.92	34.93	27.65		1479.0								
	STD	00520	04.57	34.87	27.64		1477.6								
	OBS	00520	04.57	34.87	27.64		1477.6								
	STD	00548	04.91	34.96	27.68		1476.6								
	OBS	00548	04.91	34.96	27.68		1476.6								
	STD	00560	04.73	34.93	27.67		1479.0								
	OBS	00560	04.73	34.93	27.67	00.473	1479.0								
	STD	00600	04.83	34.94	27.67		1480.1								
	OBS	00600	04.83	34.94	27.67		1480.1								
	STD	00650	04.75	34.98	27.71		1480.7								
	OBS	00650	04.75	34.98	27.71		1480.7								
	STD	00670	04.57	34.96	27.71		1480.2								
	OBS	00670	04.57	34.96	27.71	00.520	1480.2								
	STD	00700	04.56	35.00	27.75		1480.8								
	OBS	00700	04.56	35.00	27.75		1480.8								
	STD	00800	04.37	34.97	27.74		1481.6								
	OBS	00800	04.37	34.97	27.74	00.564	1481.6								
	STD	00900	04.14	34.95	27.75		1482.3								
	OBS	00900	04.14	34.95	27.75	00.609	1482.3								
	STD	01000	04.03	34.95	27.76		1483.5								
	OBS	01000	04.03	34.95	27.76	00.653	1483.5								

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 0443	YEAR 1975	0503	MONTH 05	0305	SHIP EV	04.8	AIR TEMP	05.4	DIR HGT PER	25 3 5	WIND-DIR 24	INST STD RECORDER	TEN SO 1304	
CONSEC 43 48.5N	DAY 31	07.1	DATA USE 1	05	NET SULB	1003.3	SEA	CL/TH	WIND-SPD 26	TRACE DIR	00.3	5 SQUARE 1		
LONG 044 48.0N	HOUR 07.1	AREA 05	CLOUD T/A						WIND-FOR	DURATION	00.3	2 SQUARE 24		
									WEATHER X2	ORIG 011 832		1 SQUARE 34		
CASHTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	END VEL	QXVC	PO4	TOT P	NO2	NO3	SIO3	PH
07.1	STD	00003	07.53	34.04	26.61	00.000	1479.5							
	08S	00000	07.53	34.04	26.61		1479.9							
	STD	00010	07.53	34.04	26.61	00.014	1480.0							
	08S	00010	07.53	34.04	26.61		1480.0							
	STD	00020	07.53	34.04	26.61	00.025	1480.2							
	08S	00020	07.53	34.04	26.61		1480.2							
	STD	00030	07.53	34.04	26.61	00.043	1480.4							
	08S	00030	07.53	34.04	26.61		1480.4							
	STD	00040	07.50	34.07	26.62	00.072	1481.0							
	08S	00040	07.50	34.07	26.62		1481.0							
	08S	00053	06.18	33.92	26.70		1475.2							
	08S	00057	06.23	34.00	26.76		1475.6							
	08S	00059	06.49	34.11	26.78		1477.6							
	08S	00060	06.70	34.07	26.75		1477.6							
	08S	00062	07.39	34.32	26.85		1480.7							
	08S	00068	07.76	34.30	26.78		1482.2							
	08S	00070	08.28	34.47	26.84		1484.5							
	STD	00075	07.90	34.43	26.87	00.105	1483.0							
	STD	00100	06.62	34.24	26.90	00.135	1478.2							
	08S	00112	06.47	34.15	26.84		1477.7							
	08S	00114	06.49	34.17	26.86		1477.8							
	08S	00118	05.83	34.17	26.94		1475.2							
	STD	00125	07.01	34.51	27.05	00.163	1480.5							
	08S	00125	07.04	34.52	27.06		1480.6							
	STD	00135	06.45	34.46	27.09		1478.4							
	STD	00150	06.76	34.53	27.11	00.188	1480.0							
	08S	00167	06.94	34.59	27.13		1481.0							
	STD	00200	06.51	34.60	27.19	00.234	1479.9							
	08S	00243	06.04	34.61	27.26		1478.7							
	STD	00250	05.98	34.64	27.29	00.275	1478.6							
	08S	00251	05.57	34.65	27.30		1478.6							
	08S	00255	06.08	34.68	27.31		1475.2							
	STD	00300	05.83	34.69	27.35	00.316	1478.9							
	08S	00304	05.77	34.71	27.37		1478.8							
	08S	00308	05.72	34.73	27.40		1478.7							
	08S	00319	06.27	34.84	27.41		1481.2							
	08S	00331	05.99	34.77	27.39		1480.2							
	08S	00359	04.68	34.68	27.48		1475.2							
	08S	00371	04.77	34.72	27.50		1475.8							
	08S	00373	04.67	34.70	27.50		1475.4							
	STD	00400	04.67	34.75	27.54	00.382	1475.5							
	08S	00420	04.75	34.80	27.57		1476.6							
	08S	00451	04.58	34.88	27.60		1478.2							
	08S	00491	04.54	34.84	27.62		1477.0							
	STD	00500	04.58	34.82	27.60	00.446	1477.3							
	08S	00502	04.59	34.82	27.60		1477.4							
	08S	00552	04.84	34.94	27.67		1479.4							
	STD	00600	04.60	34.50	27.66	00.458	1479.1							
	08S	00605	04.59	34.50	27.66		1475.2							
	08S	00681	04.75	34.98	27.71		1481.2							
	STD	00700	04.65	34.56	27.71	00.547	1481.1							
	08S	00702	04.64	34.56	27.71		1481.1							
	08S	00750	04.64	34.98	27.72		1481.5							
	STD	00800	04.56	34.98	27.73	00.594	1482.4							
	08S	00803	04.55	34.98	27.73		1482.4							
	08S	00871	04.38	34.97	27.74		1482.8							
	STD	00900	04.32	34.96	27.74	00.640	1483.0							
	08S	00900	04.32	34.96	27.74		1483.0							
	08S	00989	04.23	34.96	27.75		1484.1							
	STD	01000	04.21	34.96	27.75	00.686	1484.2							
	08S	01005	04.20	34.96	27.75		1484.3							
	08S	01062	04.14	34.96	27.76		1485.0							
	08S	01067	04.14	34.96	27.76		1485.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA

REFIC 31 0463	YEAR 1975	BOTDP 04462	AIR TEMP 07.9	DIA HGT PER	WIND-DIR 25	INST STD RECORDER	TEM SQ 1306
CONSEC 0034	MONTH 05	SHIP EV	WET BULB 00.5	24 3 3	WIND-SPD 31	TRACE DIA	5 SQUARE 2
LAT 44 14.3N	DAY 31	DATA USE 1	BAROMETR 1006.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 44
LONG 045 24.0N	MOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG CII 833	1 SQUARE 45

CASHTN/4TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	QXVC	PO4	TCT	NO2	NO3	SIO3	PH
18.1	STD	00000	06.99	33.92	26.59	00.000	1477.6							
	OBS	00001	06.99	33.92	26.59		1477.6							
	STD	00010	06.99	33.93	26.60	00.015	1477.8							
	OBS	00013	06.99	33.93	26.60		1477.8							
	STD	00020	07.10	34.05	26.68	00.029	1478.5							
	OBS	00020	07.11	34.05	26.68		1478.6							
	OBS	00024	07.17	34.04	26.66		1478.9							
	OBS	00024	08.24	34.31	26.72		1483.4							
	STD	00030	08.29	34.32	26.71	00.042	1483.6							
	OBS	00032	08.31	34.32	26.71		1483.8							
	STD	00050	08.30	34.33	26.72	00.069	1484.0							
	OBS	00051	08.30	34.33	26.72		1484.0							
	OBS	00062	08.62	34.34	26.84		1485.7							
	OBS	00066	08.28	34.45	26.82		1484.4							
	OBS	00070	07.56	34.43	26.51		1481.6							
	OBS	00072	07.14	34.34	26.90		1479.5							
	STD	00075	06.51	34.40	27.03	00.099	1477.6							
	OBS	00076	06.49	34.43	27.06		1477.5							
	OBS	00078	06.76	34.49	27.07		1478.7							
	OBS	00079	06.83	34.44	27.02		1479.0							
	OBS	00081	06.40	34.40	27.05		1477.2							
	STD	00100	05.96	34.47	27.16	00.124	1475.9							
	OBS	00100	05.94	34.47	27.16		1475.8							
	OBS	00112	05.68	34.47	27.20		1476.5							
	STD	00125	06.02	34.58	27.24	00.146	1476.6							
	OBS	00125	06.03	34.58	27.24		1476.7							
	STD	00150	06.12	34.66	27.29	00.167	1477.6							
	OBS	00150	06.13	34.66	27.25		1477.6							
	OBS	00159	06.56	34.78	27.33		1479.7							
	OBS	00177	06.85	34.85	27.34		1481.2							
	OBS	00182	07.03	34.88	27.34		1482.0							
	OBS	00194	07.56	34.99	27.35		1484.4							
	STD	00200	07.51	34.96	27.33	00.207	1484.3							
	OBS	00201	07.37	34.94	27.34		1483.7							
	OBS	00205	06.88	34.89	27.37		1481.8							
	OBS	00230	05.94	34.76	27.39		1478.3							
	OBS	00232	05.63	34.74	27.42		1477.1							
	STD	00250	05.54	34.75	27.43	00.244	1477.0							
	OBS	00251	05.52	34.75	27.44		1476.9							
	OBS	00272	04.78	34.68	27.47		1476.2							
	OBS	00287	04.15	34.64	27.51		1471.7							
	STD	00300	04.25	34.67	27.52	00.276	1472.4							
	OBS	00302	04.27	34.68	27.52		1472.5							
	OBS	00352	04.44	34.78	27.59		1474.2							
	STD	00400	04.78	34.86	27.61	00.333	1476.5							
	OBS	00407	04.81	34.87	27.62		1476.8							
	OBS	00454	04.85	34.94	27.66		1478.0							
	STD	00500	05.06	35.00	27.69	00.384	1479.5							
	OBS	00500	05.06	35.00	27.69		1479.5							
	OBS	00550	05.00	35.01	27.70		1480.1							
	STD	00600	04.74	34.99	27.72	00.430	1479.8							
	OBS	00603	04.73	34.95	27.72		1479.8							
	OBS	00651	04.59	34.98	27.73		1480.0							
	STD	00700	04.51	34.98	27.74	00.475	1480.5							
	OBS	00706	04.50	34.98	27.74		1480.6							
	OBS	00751	04.38	34.97	27.74		1480.8							
	STD	00800	04.28	34.97	27.75	00.519	1481.2							
	OBS	00805	04.27	34.97	27.76		1481.3							
	OBS	00854	04.18	34.96	27.76		1481.7							
	STD	00900	04.15	34.96	27.76	00.563	1482.3							
	OBS	00951	04.09	34.96	27.77		1482.9							
	STD	01000	04.02	34.95	27.77	00.606	1483.4							
	OBS	01001	04.02	34.95	27.77		1483.4							
	OBS	01022	03.96	34.94	27.76		1483.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFIC 31 8463	YEAR 1975	BOYD 03696	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 16	INST STC RECORDER	TEN 50 1306
CONSEC 0355	MONTH 05	SHIP EV	WET BULB 06.1	23 5 3	WIND-SPD 18	TRACE DIR 0	5 SQUARE 2
LA 44 40.8N	DAY 31	DATA USE 1	BARCHETR 1000.5	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 346 01.0W	HOOR 23.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 834	1 SQUARE 46

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.0	STD	00000	05.43	33.50	26.44	00.000	1471.6							
	OBS	00005	05.43	33.50	26.44		1471.7							
	STD	00010	05.43	33.50	26.44	00.016	1471.8							
	OBS	00011	05.43	33.50	26.44		1471.8							
	STD	00020	05.44	33.50	26.43	00.032	1472.0							
	OBS	00020	05.47	33.50	26.43		1472.1							
	OBS	00024	05.44	33.54	26.44		1472.5							
	OBS	00026	04.43	33.91	26.44		1475.8							
	STD	00030	07.34	34.05	26.65	00.047	1479.4							
	OBS	00030	07.44	34.07	26.65		1480.1							
	OBS	00043	07.55	34.12	26.67		1480.8							
	STD	00050	07.34	34.15	26.72	00.075	1480.2							
	OBS	00055	04.93	34.18	26.60		1478.4							
	OBS	00059	04.44	34.13	26.83		1476.7							
	OBS	00072	04.01	34.15	26.90		1475.2							
	OBS	00074	05.41	34.22	27.03		1472.5							
	STD	00075	05.40	34.24	27.04	00.104	1472.9							
	OBS	00076	05.38	34.25	27.06		1472.8							
	OBS	00079	05.20	34.24	27.07		1472.1							
	STD	00100	05.35	34.38	27.16	00.125	1473.3							
	OBS	00100	05.36	34.38	27.16		1473.3							
	STD	00125	05.31	34.37	27.16	00.152	1473.5							
	OBS	00131	04.57	34.37	27.20		1472.2							
	OBS	00133	04.84	34.38	27.22		1471.7							
	STD	00150	05.20	34.48	27.26	00.174	1473.6							
	OBS	00152	05.21	34.49	27.27		1473.7							
	OBS	00177	04.82	34.52	27.34		1472.5							
	STD	00200	04.87	34.57	27.37	00.213	1473.2							
	OBS	00201	04.88	34.58	27.38		1473.3							
	OBS	00224	05.05	34.67	27.43		1474.5							
	STD	00250	05.68	34.79	27.45	00.248	1477.6							
	OBS	00253	05.71	34.80	27.45		1477.8							
	OBS	00262	05.74	34.81	27.46		1478.1							
	OBS	00270	06.01	34.88	27.48		1479.4							
	OBS	00276	05.18	34.79	27.51		1476.0							
	STD	00300	05.32	34.85	27.54	00.280	1477.0							
	OBS	00300	05.32	34.85	27.54		1477.1							
	OBS	00316	04.45	34.75	27.54		1473.6							
	OBS	00350	04.45	34.79	27.55		1474.2							
	STD	00400	04.81	34.89	27.63	00.334	1476.7							
	OBS	00401	04.82	34.89	27.63		1476.7							
	OBS	00453	05.22	34.99	27.66		1479.4							
	STD	00500	04.99	35.01	27.70	00.385	1479.2							
	OBS	00502	04.98	35.01	27.71		1479.2							
	OBS	00555	04.95	35.04	27.73		1480.0							
	OBS	00595	04.81	34.96	27.71		1479.2							
	STD	00600	04.54	34.95	27.71	00.431	1478.9							
	OBS	00609	04.39	34.94	27.72		1478.5							
	OBS	00624	04.14	34.55	27.75		1477.7							
	OBS	00651	04.28	34.96	27.75		1478.7							
	STD	00700	04.07	34.94	27.75	00.475	1478.6							
	OBS	00700	04.07	34.94	27.75		1478.6							
	OBS	00751	04.09	34.95	27.76		1479.6							
	STD	00800	04.12	34.96	27.76	00.517	1480.5							
	OBS	00801	04.12	34.96	27.76		1480.6							
	OBS	00850	04.12	34.96	27.76		1481.4							
	STD	00900	03.94	34.94	27.76	00.560	1481.5							
	OBS	00906	03.95	34.94	27.77		1481.6							
	OBS	00957	03.90	34.95	27.78		1482.2							
	STD	01000	03.93	34.95	27.78	00.602	1483.0							
	OBS	01001	03.93	34.95	27.78		1483.1							
	OBS	01059	03.84	34.94	27.78		1483.6							
	OBS	01062	03.86	34.95	27.78		1483.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BDTDP 03015	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CON-11C 0056	MONTH 06	SHIP EV	WET SULS 04.5	20 0 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 2
LAT 44 53.0N	DAY 01	DATA USE 1	BAROMETR 1003.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 21.0W	HOOR 02.4	AREA 05	CLOUD 7/A	CL/TR	WEATHER X4	ORIG 011 835	1 SQUARE 46

CASSTN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.4	STD	00000	07.10	34.12	26.73	00.000	1478.3							
	OBS	00001	07.10	34.12	26.73		1478.3							
	STD	00010	07.10	34.13	26.74	00.013	1478.5							
	OBS	00011	07.10	34.13	26.74		1478.5							
	STD	00020	07.26	34.17	26.75	00.026	1479.3							
	OBS	00022	07.33	34.19	26.76		1479.7							
	STD	00030	07.55	34.26	26.78	00.039	1480.7							
	OBS	00030	07.56	34.26	26.78		1480.8							
	STD	00050	07.82	34.33	26.80	00.065	1482.2							
	OBS	00051	07.83	34.34	26.80		1482.3							
	STD	00075	07.99	34.35	26.87	00.094	1483.6							
	OBS	00078	08.01	34.42	26.99		1483.7							
	OBS	00085	08.08	34.57	27.10		1479.8							
	OBS	00095	07.03	34.57	27.10		1480.2							
	OBS	00097	07.51	34.45	27.12		1482.2							
	STD	00100	07.50	34.68	27.12	00.120	1482.2							
	OBS	00102	07.49	34.68	27.12		1482.2							
	OBS	00106	07.20	34.73	27.20		1481.2							
	OBS	00123	06.84	34.75	27.26		1480.1							
	STD	00125	06.88	34.75	27.26	00.143	1480.3							
	OBS	00131	07.01	34.75	27.24		1480.5							
	OBS	00142	06.94	34.70	27.21		1480.8							
	STD	00150	05.59	34.56	27.23	00.165	1476.5							
	OBS	00150	05.97	34.55	27.22		1476.8							
	OBS	00154	05.95	34.60	27.26		1476.9							
	OBS	00156	06.70	34.81	27.33		1480.2							
	OBS	00159	06.82	34.78	27.29		1480.7							
	OBS	00165	06.44	34.69	27.27		1476.1							
	OBS	00169	05.35	34.53	27.28		1474.6							
	OBS	00173	05.07	34.53	27.32		1473.5							
	OBS	00178	05.06	34.55	27.33		1473.7							
	OBS	00188	05.55	34.65	27.35		1475.9							
	OBS	00190	05.22	34.42	27.37		1474.5							
	STD	00200	05.20	34.63	27.38	00.205	1474.6							
	OBS	00201	05.18	34.63	27.38		1474.6							
	OBS	00215	06.86	34.60	27.40		1473.4							
	OBS	00228	05.00	34.47	27.44		1474.3							
	STD	00250	04.95	34.69	27.46	00.240	1474.5							
	OBS	00251	04.83	34.69	27.46		1474.4							
	OBS	00266	04.55	34.62	27.45		1473.0							
	OBS	00272	04.57	34.75	27.55		1473.4							
	OBS	00276	04.93	34.75	27.51		1474.5							
	OBS	00285	05.58	34.87	27.52		1477.5							
	STD	00300	05.47	34.84	27.51	00.272	1477.6							
	OBS	00300	05.41	34.83	27.51		1477.4							
	OBS	00306	04.86	34.76	27.52		1475.2							
	OBS	00350	04.55	34.77	27.57		1474.6							
	STD	00400	04.52	34.85	27.63	00.325	1475.4							
	OBS	00401	04.52	34.85	27.63		1475.4							
	OBS	00418	04.75	34.91	27.65		1476.9							
	OBS	00420	05.52	35.06	27.68		1480.1							
	OBS	00453	05.38	35.01	27.66		1480.0							
	STD	00500	05.24	35.03	27.65	00.378	1480.3							
	OBS	00500	05.24	35.03	27.69		1480.3							
	OBS	00553	04.95	35.02	27.72		1480.0							
	STD	00600	04.64	34.58	27.70	00.425	1480.2							
	OBS	00605	04.79	34.58	27.71		1480.2							
	OBS	00652	04.45	34.68	27.74		1475.5							
	STD	00700	04.53	35.00	27.75	00.471	1480.6							
	OBS	00706	04.54	35.00	27.75		1480.8							
	OBS	00753	04.41	34.99	27.76		1481.0							
	STD	00800	04.29	34.97	27.75	00.514	1481.3							
	OBS	00801	04.29	34.97	27.75		1481.3							
	OBS	00850	04.27	34.98	27.76		1482.0							
	STD	00900	04.11	34.96	27.77	00.557	1482.1							
	OBS	00908	04.05	34.96	27.77		1482.2							
	OBS	00951	04.04	34.95	27.76		1482.7							
	STD	01000	03.97	34.95	27.77	00.601	1483.2							
	OBS	01008	03.96	34.95	27.77		1483.3							
	OBS	01047	03.50	34.94	27.77		1483.7							
	OBS	01094	03.90	34.94	27.77		1483.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
REFIC 31 8463	YEAR 1975	BOTOP 03460	AIR TEMP 05.1	DIR MGT PER	WIND-DIR 08	INST STD RECORDER	TEN 50 1306							
CONSEC 0057	MONTH 06	SHIP EV	MET BULB 04.3	22 2 5	WIND-SPD 02	TRACE DIR 0	5 SQUARE 4							
LAT 45 05.2N	DAY 01	DATA USE 1	BARCHETR 1001.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 048 42.0E	MOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG C11 836	1 SQUARE 56							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPT	SND VEL	ORVG	PO4	TOT P	NC2	NO3	S103	PH
STD	00000		05.70	33.75	26.63		1472.2							
08S	00000		05.70	33.754	26.63	00.000	1472.2							
08S	00009		05.70	33.754	26.63		1472.4							
STD	00010		05.71	33.76	26.63	00.014	1472.4							
08S	00011		05.72	33.764	26.63		1472.5							
08S	00013		05.72	33.757	26.63		1472.5							
08S	00015		05.74	33.773	26.64		1472.7							
STD	00020		05.75	33.76	26.63	00.028	1472.7							
08S	00022		05.75	33.753	26.62		1472.8							
08S	00024		05.77	33.784	26.64		1472.9							
STD	00030		05.82	33.82	26.66	00.042	1473.3							
08S	00030		05.83	33.818	26.66		1473.3							
08S	00034		05.95	33.835	26.66		1473.6							
08S	00036		06.13	33.997	26.77		1474.9							
08S	00040		07.35	34.310	26.85		1480.2							
08S	00043		07.39	34.305	26.84		1480.4							
STD	00050		06.47	34.18	26.87	00.068	1476.7							
08S	00053		05.77	34.120	26.91		1473.6							
08S	00057		04.76	34.050	26.97		1469.8							
08S	00060		04.70	34.060	26.99		1469.5							
08S	00062		04.12	33.957	26.97		1467.0							
08S	00064		02.76	33.920	27.07		1461.2							
08S	00070		02.73	33.900	27.05		1461.1							
STD	00075		03.42	33.96	27.04	00.096	1464.3							
08S	00081		04.38	34.200	27.13		1468.7							
08S	00083		04.62	34.295	27.18		1469.9							
08S	00089		04.48	34.260	27.17		1469.3							
08S	00093		04.57	34.307	27.20		1469.8							
STD	00100		04.90	34.39	27.23	00.120	1471.4							
08S	00102		04.98	34.420	27.24		1471.8							
08S	00118		04.88	34.470	27.29		1471.8							
STD	00125		04.93	34.49	27.30	00.141	1472.1							
08S	00127		04.95	34.490	27.30		1472.2							
08S	00139		04.68	34.480	27.32		1471.3							
08S	00144		05.28	34.640	27.38		1474.1							
STD	00150		05.70	34.67	27.35	00.160	1475.6							
08S	00154		05.83	34.687	27.35		1476.5							
08S	00165		05.27	34.675	27.41		1474.4							
08S	00175		05.31	34.720	27.44		1474.8							
STD	00200		05.24	34.75	27.47	00.195	1475.0							
08S	00203		05.22	34.760	27.48		1474.6							
08S	00213		05.16	34.795	27.52		1474.9							
08S	00232		04.65	34.725	27.52		1473.0							
08S	00243		04.55	34.700	27.51		1472.8							
08S	00247		04.48	34.710	27.53		1472.5							
STD	00250		04.45	34.71	27.53	00.226	1472.5							
08S	00268		04.41	34.730	27.55		1472.6							
08S	00289		04.70	34.830	27.60		1474.3							
STD	00300		04.34	34.76	27.58	00.255	1472.9							
08S	00302		04.27	34.740	27.57		1472.6							
08S	00304		04.23	34.760	27.59		1472.5							
08S	00317		04.41	34.810	27.61		1473.6							
08S	00331		04.48	34.800	27.60		1474.0							
08S	00338		05.31	34.980	27.64		1477.8							
08S	00344		05.37	34.955	27.65		1478.2							
08S	00350		05.41	34.990	27.64		1478.4							
08S	00361		05.06	34.930	27.63		1477.1							
08S	00392		04.73	34.890	27.64		1476.2							
STD	00400		04.71	34.92	27.66	00.306	1476.3							
08S	00401		04.71	34.920	27.67		1476.3							
08S	00443		04.68	34.940	27.69		1476.8							
08S	00451		04.70	34.950	27.66		1477.1							
08S	00461		05.00	35.010	27.70		1479.1							
STD	00500		04.68	35.01	27.71	00.353	1479.2							
08S	00506		04.97	35.015	27.71		1476.3							
08S	00548		05.15	35.060	27.73		1480.7							
08S	00563		04.82	35.000	27.72		1480.1							
STD	00600		04.77	35.00	27.72	00.396	1480.0							
08S	00603		04.75	35.000	27.73		1479.9							
08S	00646		04.60	34.995	27.74		1480.1							
08S	00692		04.45	34.990	27.75		1480.2							
STD	00700		04.45	34.98	27.74	00.443	1480.3							
08S	00702		04.45	34.980	27.74		1480.3							
08S	00746		04.36	34.980	27.75		1480.8							
08S	00761		04.33	34.980	27.76		1481.3							
08S	00767		04.30	34.980	27.76		1481.3							
STD	00800		04.30	34.98	27.76	00.486	1481.3							
08S	00843		04.26	34.980	27.76		1482.0							
08S	00892		04.21	34.970	27.76		1482.5							
STD	00900		04.21	34.97	27.76	00.530	1482.6							
08S	00940		04.16	34.960	27.76		1483.0							
08S	00991		04.05	34.950	27.76		1483.4							
08S	00997		04.05	34.950	27.76		1483.5							
STD	01000		04.04	34.95	27.76	00.574	1483.5							
08S	01045		04.00	34.950	27.77		1484.1							
08S	01048		04.01	34.950	27.77		1484.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 0443	YEAR 1975	BOTOP 03124	AIR TEMP 03.0	DIR 1-GT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306								
COVSEC 0038	MONTH 04	SHIP EV	WET BULB 03.7	12 2 4	WIND-SPD 07	TRACE DIR	5 SQUARE 4								
LA 49 15.2N	DAY 01	DATA USE 1	BAROMETER 1003.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46								
LONG 046 55.2W	MOOR 06.1	AREA 05	CLCUD T/A	CL/T/F	WEATHER X2	ORIG 011 837 12	1 SQUARE 56								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORIG	PO4	TOT P	NO2	NO3	SIO3	PH	
06.1	STD	00000	04.00	33.44	26.57	00.000	1464.8								
	OBS	00000	04.00	33.44	26.57		1464.8								
	STD	00010	04.15	33.46	26.57	00.015	1465.6								
	OBS	00010	04.15	33.46	26.57		1465.6								
	STD	00020	04.26	33.49	26.58	00.029	1466.2								
	OBS	00020	04.26	33.49	26.58		1466.2								
	STD	00024	03.87	33.45	26.59		1466.6								
	OBS	00024	03.87	33.45	26.59		1466.6								
	STD	00030	03.86	33.44	26.58	00.044	1466.7								
	OBS	00030	03.86	33.44	26.58		1466.7								
	STD	00050	03.97	33.47	26.60	00.073	1465.5								
	OBS	00055	04.01	33.48	26.60		1465.8								
	STD	00075	04.18	33.49	26.59	00.110	1466.8								
	OBS	00076	04.23	33.51	26.60		1467.1								
	STD	00081	04.57	33.63	26.66		1468.7								
	OBS	00095	03.88	33.65	26.78		1468.1								
	STD	00100	02.10	33.69	26.94	00.142	1458.5								
	OBS	00110	00.58	33.68	27.03		1451.9								
	STD	00121	02.61	34.09	27.22		1461.7								
	OBS	00125	02.97	34.16	27.24	00.167	1463.4								
	STD	00131	03.62	34.27	27.27		1466.4								
	OBS	00146	04.88	34.47	27.29		1472.2								
	STD	00150	04.84	34.45	27.27	00.188	1472.1								
	OBS	00152	04.84	34.44	27.27		1472.1								
	STD	00167	05.86	34.42	27.29		1476.8								
	OBS	00173	05.65	34.53	27.25		1475.6								
	STD	00182	04.97	34.51	27.31		1473.2								
	OBS	00184	04.51	34.50	27.37		1473.1								
	STD	00192	05.04	34.60	27.38		1473.8								
	OBS	00194	04.98	34.54	27.3300		1473.8								
	STD	00200	04.98	34.67	27.44	00.225	1473.8								
	OBS	00201	04.98	34.68	27.45		1473.8								
	STD	00218	05.16	34.67	27.4200		1473.8								
	OBS	00222	04.84	34.58	27.3800		1473.8								
	STD	00236	04.77	34.58	27.350		1473.7								
	OBS	00250	04.74	34.67	27.46	00.256	1473.7								
	STD	00257	04.48	34.67	27.49		1472.7								
	OBS	00264	03.76	34.58	27.50		1465.7								
	STD	00289	03.70	34.58	27.50		1469.8								
	OBS	00300	03.71	34.59	27.51	00.250	1470.0								
	STD	00304	03.75	34.64	27.55		1470.3								
	OBS	00310	03.84	34.74	27.62		1470.9								
	STD	00335	04.82	34.85	27.63		1475.6								
	OBS	00342	04.91	34.95	27.67		1476.2								
	STD	00348	04.69	34.88	27.64		1475.3								
	OBS	00350	04.88	34.91	27.64		1476.2								
	STD	00375	04.45	34.84	27.63		1474.7								
	OBS	00394	04.88	35.00	27.71		1477.0								
	STD	00400	05.07	35.02	27.71	00.343	1477.9								
	OBS	00424	05.58	35.08	27.69		1480.5								
	STD	00456	05.56	35.08	27.65		1480.9								
	OBS	00500	05.27	35.04	27.70	00.385	1480.4								
	STD	00502	05.25	35.04	27.70		1480.4								
	OBS	00533	05.02	35.03	27.72		1479.9								
	STD	00534	04.81	34.98	27.70		1479.0								
	OBS	00567	04.75	35.00	27.73		1479.3								
	STD	00600	04.73	35.00	27.73	00.435	1479.8								
	OBS	00603	04.72	35.00	27.73		1479.8								
	STD	00651	04.57	35.00	27.75		1480.0								
	OBS	00700	04.55	35.00	27.75	00.479	1480.7								
	STD	00700	04.55	35.00	27.75		1480.7								
	OBS	00757	04.34	34.98	27.75		1480.9								
	STD	00830	04.27	34.57	27.76	00.522	1481.2								
	OBS	00807	04.25	34.57	27.74		1481.2								
	STD	00852	04.12	34.55	27.76		1481.4								
	OBS	00900	04.12	34.56	27.76	00.565	1482.2								
	STD	00900	04.12	34.56	27.76		1482.2								
	OBS	00953	03.53	34.93	27.76		1482.3								
	STD	01000	03.87	34.92	27.76	00.605	1482.8								
	OBS	01008	03.84	34.92	27.76		1482.6								
STD	01044	03.80	34.92	27.76		1483.5									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

HSDC STATION DATA

STATION 31 0463	YEAR 1975	BOAT 02053	AIR TEMP 05.6	DIR WET PER 35 1 2	WIND-DIR 01	INST STD RECORDER	TSN 50 1300
COMSEC 0055	MONTH 04	SHIP 05	WET BULB 04.7	SEA	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 23.04	DAY 01	DATA USE 1	BAROMETER 1007.0	CL/TR	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 14.04	HOUR 10.2	AREA 05	CLOUD T/A		WEATHER X1	ORIG 011 030	1 SQUARE 57

CASTN/HR/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH	
10.2	STD	00000	03.57	33.49	26.65	00.000	1463.0								
	OBS	00003	03.57	33.45	26.65		1463.1								
	STD	00010	03.57	33.49	26.65	00.014	1463.2								
	STD	00020	03.57	33.50	26.66	00.020	1463.3								
	OBS	00020	03.57	33.50	26.66		1463.4								
	STD	00030	03.57	33.50	26.66	00.042	1463.5								
	OBS	00032	03.57	33.50	26.66		1463.5								
	OBS	00045	03.63	33.56	26.70		1464.1								
	STD	00050	03.47	33.60	26.75	00.065	1463.5								
	OBS	00064	02.78	33.75	26.93		1461.0								
	OBS	00074	02.23	33.87	27.07		1458.9								
	STD	00075	02.27	33.92	27.11	00.097	1459.2								
	OBS	00076	02.32	33.99	27.16		1459.5								
	OBS	00078	02.82	34.10	27.21		1461.9								
	OBS	00079	02.90	34.11	27.21		1462.3								
	OBS	00081	03.34	34.24	27.27		1464.4								
	OBS	00085	03.41	34.29	27.30		1466.0								
	OBS	00089	03.83	34.37	27.32		1466.8								
	STD	00100	03.97	34.37	27.31	00.119	1467.5								
	OBS	00100	03.98	34.38	27.32		1467.6								
	OBS	00106	03.70	34.43	27.39		1466.6								
	OBS	00112	02.55	34.28	27.37		1461.5								
	OBS	00116	01.71	34.20	27.38		1457.8								
	STD	00125	01.70	34.27	27.43	00.137	1458.0								
	OBS	00125	01.69	34.27	27.43		1458.0								
	OBS	00127	01.65	34.27	27.44		1457.8								
	OBS	00140	01.69	34.32	27.47		1458.3								
	STD	00150	03.19	34.54	27.52	00.153	1465.3								
	OBS	00152	03.39	34.57	27.53		1466.2								
	OBS	00163	03.34	34.57	27.53		1466.2								
	OBS	00167	03.41	34.62	27.57		1466.6								
	OBS	00175	03.66	34.64	27.56		1467.8								
	OBS	00198	03.05	34.61	27.59		1465.6								
	STD	00200	03.06	34.63	27.60	00.180	1465.7								
	OBS	00205	03.29	34.68	27.62		1466.8								
	OBS	00211	03.82	34.74	27.62		1469.2								
	OBS	00232	03.77	34.74	27.62		1469.4								
	STD	00250	03.77	34.74	27.63	00.205	1465.7								
	OBS	00255	03.77	34.75	27.63		1469.8								
	OBS	00276	03.87	34.80	27.66		1470.6								
STD	00300	04.00	34.82	27.67	00.225	1471.6									
OBS	00310	04.02	34.83	27.67		1471.8									
OBS	00316	04.02	34.87	27.70		1472.0									
OBS	00342	04.32	34.91	27.70		1473.7									
OBS	00350	04.56	34.98	27.73		1475.1									
STD	00400	04.53	34.96	27.72	00.274	1475.6									
OBS	00405	04.52	34.96	27.72		1475.7									
OBS	00456	04.39	34.97	27.74		1476.0									
STD	00500	04.25	34.95	27.74	00.317	1476.3									
OBS	00500	04.25	34.95	27.74		1476.3									
OBS	00555	04.07	34.94	27.75		1476.2									
STD	00600	04.11	34.94	27.75	00.358	1477.1									
OBS	00601	04.11	34.94	27.75		1477.2									
OBS	00651	03.82	34.90	27.75		1476.7									
STD	00700	03.75	34.90	27.75	00.400	1477.2									
OBS	00700	03.75	34.90	27.75		1477.2									
OBS	00750	03.71	34.89	27.75		1477.9									
STD	00800	03.68	34.89	27.75	00.442	1478.6									
OBS	00803	03.68	34.89	27.75		1478.6									
OBS	00854	03.62	34.85	27.76		1479.2									
STD	00900	03.59	34.88	27.75	00.485	1479.9									
OBS	00900	03.59	34.88	27.75		1479.9									
OBS	00951	03.57	34.88	27.76		1480.6									
STD	01000	03.52	34.87	27.75	00.528	1481.2									
OBS	01003	03.52	34.87	27.75		1481.3									
OBS	01066	03.48	34.87	27.76		1482.1									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

M O D C S T A T I O N D A T A

REFID 31 8463	YEAR 1975	BOTOP 01845	AIR TEMP 04.2	DIR MGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 8046	MONTH 06	SHIP SV	MET BULB 05.8	33 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 45 33.14	DAY 01	DATA USE 1	BAROMETER 1005.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 147 28.14	MOOR 12.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 839 15	1 SQUARE 57

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SI03	PH
12.7	STD	00000	03.21	33.48	26.68	00.000	1461.4							
	OBS	00003	03.21	33.48	26.68		1461.5							
	STD	00010	03.20	33.48	26.68	00.014	1461.6							
	OBS	00015	03.20	33.48	26.68		1461.7							
	STD	00020	02.90	33.50	26.72	00.027	1460.5							
	OBS	00020	02.88	33.50	26.72		1460.3							
	STD	00030	02.80	33.51	26.73	00.041	1460.2							
	OBS	00034	02.74	33.53	26.76		1460.1							
	STD	00050	02.56	33.74	26.94	00.065	1459.8							
	OBS	00051	02.51	33.76	26.96		1459.6							
	OBS	00055	02.34	33.80	27.01		1459.0							
	OBS	00064	01.81	33.96	27.18		1457.1							
	OBS	00068	01.88	34.14	27.31		1457.7							
	OBS	00072	01.96	34.12	27.29		1458.1							
	STD	00075	02.28	34.19	27.32	00.089	1459.6							
	OBS	00078	02.62	34.26	27.35		1461.2							
	OBS	00085	03.45	34.39	27.38		1465.1							
	STD	00100	03.64	34.54	27.45	00.106	1467.7							
	OBS	00100	03.68	34.55	27.45		1467.8							
	STD	00125	03.72	34.58	27.50	00.122	1467.2							
	OBS	00125	03.71	34.58	27.50		1467.1							
	STD	00150	04.10	34.71	27.57	00.136	1469.4							
	OBS	00152	04.12	34.72	27.57		1469.5							
	OBS	00167	04.16	34.73	27.58		1469.9							
	OBS	00171	04.25	34.77	27.60		1470.4							
	OBS	00177	04.19	34.75	27.59		1470.2							
	OBS	00194	04.00	34.76	27.62		1469.7							
	OBS	00196	03.66	34.73	27.63		1468.3							
	STD	00200	03.65	34.74	27.63	00.162	1468.3							
	OBS	00201	03.64	34.74	27.64		1468.3							
	OBS	00228	03.45	34.74	27.66		1467.9							
	STD	00250	03.42	34.75	27.67	00.185	1468.2							
	OBS	00252	03.41	34.75	27.67		1468.2							
	OBS	00257	03.38	34.76	27.68		1468.1							
	OBS	00261	03.98	34.87	27.71		1471.2							
	STD	00300	04.22	34.90	27.70	00.208	1472.6							
	OBS	00300	04.23	34.90	27.70		1472.6							
	OBS	00350	03.86	34.88	27.73		1471.9							
	STD	00400	03.96	34.91	27.74	00.245	1473.1							
	OBS	00403	03.96	34.91	27.74		1473.2							
	OBS	00451	03.96	34.92	27.74		1474.0							
	STD	00500	03.82	34.90	27.75	00.290	1474.2							
	OBS	00500	03.82	34.90	27.75		1474.2							
	OBS	00552	03.77	34.90	27.75		1474.9							
	STD	00600	03.77	34.91	27.76	00.330	1475.7							
	OBS	00607	03.77	34.91	27.76		1475.8							
	OBS	00652	03.78	34.91	27.76		1476.6							
	STD	00700	03.62	34.89	27.76	00.371	1476.7							
	OBS	00700	03.62	34.89	27.76		1476.7							
	OBS	00750	03.53	34.88	27.76		1477.1							
	STD	00800	03.49	34.88	27.76	00.412	1477.8							
	OBS	00809	03.48	34.88	27.77		1477.9							
	OBS	00850	03.52	34.89	27.77		1478.8							
	STD	00900	03.51	34.88	27.76	00.453	1479.5							
	OBS	00908	03.51	34.88	27.76		1479.7							
	OBS	00953	03.48	34.88	27.77		1480.3							
	STD	01000	03.46	34.88	27.77	00.496	1481.0							
	OBS	01001	03.46	34.88	27.77		1481.0							
	OBS	01096	03.50	34.88	27.76		1482.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA															
REFID 31 8443	YEAR 1975	BOTDP 01185	AIR TEMP 05.9	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SO 1304								
CONSEC 0341	MONTH 04	SHIP EV	WET BULB 05.3	35 2 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4								
LAT 45 41.4N	DAY 01	DATA USE 1	BAROMETER 1008.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46								
LONG 047 48.3W	MOOR 15.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 040	1 SQUARE 57								
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH	
15.2	STD	00000	01.51	33.10	26.51	00.000	1453.5								
	OBS	00003	01.51	33.10	26.51		1453.6								
	STD	00010	01.50	33.10	26.51	00.015	1453.6								
	STD	00020	01.47	33.09	26.50	00.031	1453.6								
	OBS	00020	01.47	33.09	26.50		1453.6								
	OBS	00022	01.24	33.30	26.69		1453.0								
	OBS	00024	00.65	33.35	26.76		1450.4								
	OBS	00026	00.88	33.44	26.82		1451.6								
	STD	00030	00.86	33.39	26.78	00.045	1451.5								
	OBS	00034	00.79	33.30	26.71		1451.1								
	OBS	00043	00.51	33.48	26.88		1450.2								
	OBS	00047	00.58	33.52	26.90		1450.7								
	OBS	00049	01.59	33.72	27.00		1455.5								
	STD	00050	01.76	33.74	27.00	00.068	1456.3								
	OBS	00051	02.19	33.79	27.01		1458.3								
	OBS	00064	02.90	33.92	27.05		1461.8								
	STD	00075	02.51	34.13	27.26	00.092	1460.6								
	OBS	00076	02.48	34.15	27.27		1460.5								
	STD	00100	02.15	34.36	27.47	00.110	1459.7								
	OBS	00104	02.13	34.39	27.49		1459.7								
	STD	00125	02.22	34.47	27.55	00.121	1460.6								
	OBS	00127	02.23	34.48	27.56		1460.7								
	STD	00150	02.35	34.53	27.59	00.138	1461.6								
	OBS	00150	02.35	34.53	27.59		1461.6								
	OBS	00175	02.44	34.56	27.61		1462.5								
	STD	00200	02.54	34.60	27.63	00.163	1463.4								
	OBS	00205	02.55	34.61	27.64		1463.5								
	OBS	00224	02.56	34.64	27.66		1463.9								
	OBS	00226	02.69	34.68	27.68		1464.6								
	STD	00250	02.95	34.71	27.68	00.186	1466.1								
	OBS	00258	03.03	34.73	27.69		1466.6								
	OBS	00279	03.20	34.77	27.70		1467.8								
	STD	00300	03.33	34.79	27.71	00.207	1468.7								
	OBS	00302	03.37	34.80	27.71		1468.9								
	OBS	00317	03.71	34.85	27.72		1470.7								
	OBS	00350	03.62	34.85	27.73		1470.8								
	STD	00400	03.49	34.85	27.74	00.248	1471.1								
	OBS	00407	03.48	34.85	27.74		1471.2								
	OBS	00453	03.43	34.84	27.74		1471.7								
	STD	00500	03.46	34.86	27.75	00.288	1472.6								
	OBS	00502	03.46	34.86	27.75		1472.7								
	OBS	00552	03.50	34.86	27.75		1473.7								
	STD	00600	03.51	34.87	27.75	00.328	1474.5								
	OBS	00601	03.51	34.87	27.75		1474.5								
	OBS	00652	03.51	34.88	27.76		1475.4								
	STD	00700	03.48	34.87	27.76	00.365	1476.1								
	OBS	00702	03.48	34.87	27.76		1476.1								
	OBS	00751	03.44	34.87	27.76		1476.7								
	STD	00800	03.43	34.87	27.76	00.410	1477.5								
	OBS	00801	03.43	34.87	27.76		1477.5								
	OBS	00854	03.41	34.87	27.76		1478.3								
	STD	00900	03.41	34.87	27.76	00.451	1479.1								
	OBS	00904	03.41	34.87	27.76		1479.2								
	OBS	00951	03.41	34.87	27.76		1479.6								
	STD	01000	03.41	34.87	27.76	00.493	1480.7								
	OBS	01008	03.41	34.87	27.76		1480.9								
	OBS	01054	03.41	34.87	27.76		1481.7								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00434 AIR TEMP 03.0 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1304
 CONSEC 0062 MONTH 06 SHIP EV WET BULB 02.0 33 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4
 LAT 45 47.0N DAY 01 DATA USE 1 BAROMETR 1009.1 SEA CL/TR WIND-FOR WEATHER X4 DURATION 00.3 2 SQUARE 46
 LONG 147 56.0W HOUR 17.4 AREA 05 CLOUD T/A ORIG 011 841 15 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	STD	00000	01.35	32.95	26.40	00.000	1452.7							
	OBS	00003	01.39	32.95	26.40		1452.8							
	STD	00010	01.38	32.95	26.40	00.016	1452.9							
	OBS	00011	01.38	32.95	26.40		1452.5							
	OBS	00015	01.37	32.93	26.38		1452.9							
	STD	00020	01.20	32.95	26.41	00.033	1452.2							
	OBS	00022	01.14	32.98	26.44		1452.1							
	OBS	00028	01.24	33.09	26.52		1452.7							
	STD	00030	01.15	33.11	26.54	00.046	1452.4							
	OBS	00030	01.12	33.12	26.55		1452.3							
	OBS	00036	00.86	33.14	26.58		1451.2							
	OBS	00041	-0.41	33.17	26.67		1445.6							
	OBS	00045	-1.07	33.27	26.78		1442.7							
	STD	00050	-0.99	33.28	26.78	00.076	1443.1							
	OBS	00057	-0.87	33.28	26.78		1443.8							
	OBS	00059	-0.12	33.28	26.75		1447.3							
	OBS	00062	-0.56	33.35	26.84		1443.6							
	OBS	00072	-1.20	33.39	26.88		1442.7							
	STD	00075	-1.19	33.42	26.90	00.107	1442.8							
	OBS	00079	-1.10	33.44	26.93		1443.4							
	OBS	00091	-0.59	33.56	26.99		1446.1							
	STD	00100	-0.31	33.66	27.06	00.134	1447.7							
	OBS	00102	-0.17	33.70	27.09		1448.4							
	OBS	00112	00.45	33.84	27.17		1451.6							
	STD	00125	00.38	33.89	27.21	00.157	1451.6							
	OBS	00127	00.37	33.90	27.22		1451.6							
	STD	00150	00.69	34.03	27.31	00.178	1453.5							
	OBS	00152	00.72	34.04	27.31		1453.7							
	OBS	00175	01.06	34.16	27.39		1455.8							
	STD	00200	01.45	34.31	27.48	00.212	1458.2							
	OBS	00203	01.48	34.32	27.49		1458.4							
	OBS	00228	01.55	34.32	27.48		1459.1							
	STD	00250	01.63	34.34	27.49	00.243	1459.8							
	OBS	00253	01.64	34.34	27.49		1459.9							
	OBS	00276	01.67	34.36	27.51		1460.5							
	STD	00300	01.91	34.42	27.53	00.273	1462.0							
	OBS	00300	01.92	34.42	27.54		1462.1							
	OBS	00352	02.42	34.56	27.61		1465.3							
	OBS	00392	02.89	34.71	27.69		1468.2							

REFID 31 0463 YEAR 1975 BOTDP 00113 AIR TEMP 02.0 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1304
 CONSEC 0063 MONTH 06 SHIP EV WET BULB 01.9 2 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4
 LAT 45 53.5N DAY 01 DATA USE 1 BAROMETR 1010.1 SEA CL/TR WIND-FOR WEATHER X4 DURATION 00.0 2 SQUARE 48
 LONG 048 06.0W HOUR 19.1 AREA 05 CLOUD T/A ORIG 011 842 15 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.1	STD	00000	00.91	32.85	26.35	00.000	1450.5							
	OBS	00007	00.41	32.85	26.35		1450.4							
	STD	00010	00.87	32.83	26.34	00.017	1450.4							
	OBS	00011	00.85	32.83	26.33		1450.3							
	STD	00020	00.82	32.89	26.40	00.034	1449.5							
	OBS	00022	00.57	32.90	26.41		1449.4							
	STD	00030	00.54	32.90	26.41	00.050	1449.3							
	OBS	00032	00.53	32.90	26.41		1449.3							
	OBS	00045	-0.23	33.02	26.54		1446.2							
	STD	00050	-0.40	33.06	26.59	00.081	1444.6							
	OBS	00057	-1.05	33.11	26.65		1442.7							
	OBS	00066	-1.34	33.16	26.69		1441.6							
	OBS	00069	-1.47	33.19	26.72		1441.1							
	STD	00075	-1.40	33.22	26.75	00.115	1441.5							
	OBS	00076	-1.39	33.23	26.75		1441.6							
	OBS	00091	-1.12	33.34	26.83		1443.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00098 AIR TEMP 04.8 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1306
 CONSEC 0364 MONTH 06 SHIP EV WET BULB 04.2 95 X X WIND-SPD 15 TRACE DIR D 5 SQUARE 4
 LAT 46 00.0N DAY 01 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.0 2 SQUARE 68
 LONG 048 17.0W HOUR 20.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 843 1 SQUARE 68

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.4	STD	00000	01.17	32.98	26.43	00.000	1451.8							
	OBS	00000	01.17	32.98	26.43		1451.8							
	STD	00010	01.17	32.98	26.43	00.016	1452.0							
	OBS	00010	01.17	32.98	26.43		1452.0							
	OBS	00015	01.13	32.97	26.43		1451.9							
	STD	00020	01.13	32.97	26.43	00.032	1451.9							
	OBS	00020	01.13	32.97	26.43		1451.9							
	OBS	00025	01.06	33.01	26.47		1451.8							
	STD	00030	01.01	32.98	26.44	00.048	1451.6							
	OBS	00030	01.01	32.98	26.44		1451.6							
	OBS	00040	00.75	32.99	26.47		1450.6							
	STD	00050	00.66	33.06	26.53	00.075	1450.4							
	OBS	00050	00.66	33.06	26.53		1450.4							
	OBS	00055	00.74	33.14	26.59		1451.0							
	STD	00075	- 0.86	33.26	26.76	00.114	1444.1							
	OBS	00075	- 0.86	33.26	26.76		1444.1							
	OBS	00080	- 0.64	33.31	26.79		1445.3							

REFID 31 0463 YEAR 1975 BOTDP 00112 AIR TEMP 03.5 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1306
 CONSEC 0065 MONTH 06 SHIP EV WET BULB 03.2 36 1 3 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
 LAT 46 29.3N DAY 02 DATA USE 1 BAROMETR 1011.9 SEA WIND-FOR DURATION 00.0 2 SQUARE 68
 LONG 048 03.5W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 844 1 SQUARE 68

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	01.35	32.86	26.33	00.000	1452.4							
	OBS	00003	01.35	32.86	26.33		1452.5							
	STD	00010	01.35	32.87	26.33	00.017	1452.6							
	OBS	00017	01.35	32.87	26.34		1452.7							
	STD	00020	01.33	32.87	26.34	00.034	1452.7							
	OBS	00022	01.31	32.87	26.34		1452.7							
	OBS	00024	01.08	32.85	26.34		1451.6							
	STD	00030	00.96	32.88	26.36	00.051	1451.2							
	OBS	00032	00.86	32.90	26.39		1450.8							
	OBS	00036	00.63	32.95	26.44		1449.9							
	OBS	00047	00.58	33.02	26.50		1450.0							
	STD	00050	00.32	33.03	26.53	00.083	1448.9							
	OBS	00051	00.20	33.04	26.54		1448.3							
	OBS	00062	00.06	33.07	26.57		1447.9							
	OBS	00068	- 0.51	33.12	26.63		1445.5							
	OBS	00074	- 0.53	33.13	26.64		1445.5							
	STD	00075	- 0.47	33.14	26.65	00.115	1445.8							
	OBS	00081	- 0.04	33.21	26.69		1446.0							
	OBS	00091	00.40	33.28	26.72		1450.2							
	OBS	00097	00.64	33.34	26.77		1450.6							
	STD	00100	00.27	33.36	26.79	00.152	1449.5							
	OBS	00102	- 0.01	33.36	26.81		1448.7							

REFID 31 0463 YEAR 1975 BOTDP 03160 AIR TEMP 03.5 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1306
 CONSEC 0066 MONTH 06 SHIP EV WET BULB 03.3 03 2 3 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
 LAT 46 24.0N DAY 02 DATA USE 1 BAROMETR 1011.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
 LONG 047 46.0W HOUR 01.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 845 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
01.7	STD	00000	01.17	32.90	26.37	00.000	1451.7							
	OBS	00001	01.17	32.90	26.37		1451.7							
	STD	00010	01.17	32.90	26.37	00.017	1451.9							
	OBS	00011	01.17	32.90	26.37		1451.9							
	STD	00020	01.14	32.90	26.37	00.033	1451.9							
	OBS	00030	01.10	32.89	26.37	00.050	1451.9							
	OBS	00032	00.93	32.88	26.37		1451.9							
	OBS	00034	00.55	32.95	26.45		1449.7							
	OBS	00047	00.41	33.01	26.49		1450.1							
	STD	00050	00.46	33.04	26.52	00.082	1449.5							
	OBS	00053	00.26	33.06	26.55		1448.7							
	OBS	00066	- 0.35	33.04	26.56		1445.5							
	STD	00075	- 1.12	33.05	26.63	00.115	1442.7							
	OBS	00076	- 1.18	33.10	26.64		1442.4							
	OBS	00083	- 1.42	33.20	26.73		1441.6							
	STD	00100	- 1.21	33.32	26.82	00.152	1443.0							
	OBS	00106	- 1.19	33.33	26.83		1443.1							
	STD	00125	- 0.59	33.47	26.92	00.181	1446.5							
	OBS	00127	- 0.55	33.48	26.93		1446.7							
	OBS	00140	- 0.41	33.53	26.96		1447.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C S T A T I O N D A T A

REFID 31 8463	YEAR 1975	BOTDP 00183	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0047	MONTH 06	SHIP EV	NET BULB 03.5	34 1 2	WIND-SPD 17	TRACE DIR D	5 SQUARE 4
LAT 44 20.0N	DAY 02	DATA USE 1	BAROMETR 1010.7	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 34.0N	MOUR 03.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 846	1 SQUARE 67

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.0	STC	00000	01.37	32.86	26.33	00.000	1452.5							
	OBS	00003	01.37	32.86	26.33		1452.6							
	STD	00010	01.37	32.86	26.33	00.017	1452.7							
	OBS	00011	01.37	32.86	26.33		1452.7							
	OBS	00019	01.33	32.86	26.31		1452.6							
	STD	00020	01.23	32.86	26.32	00.034	1452.3							
	OBS	00022	01.03	32.86	26.35		1451.4							
	STD	00030	00.50	32.97	26.47	00.051	1446.3							
	OBS	00030	00.47	32.98	26.48		1449.1							
	OBS	00047	- 0.12	33.04	26.55		1446.8							
	STD	00050	- 0.57	33.06	26.59	00.081	1444.8							
	OBS	00051	- 0.71	33.08	26.61		1444.2							
	OBS	00055	- 0.67	33.13	26.65		1444.5							
	OBS	00059	00.20	33.22	26.68		1448.7							
	OBS	00070	00.04	33.23	26.70		1448.2							
	OBS	00072	- 0.39	33.23	26.72		1446.2							
	STD	00075	- 0.29	33.25	26.73	00.115	1446.8							
	OBS	00085	00.11	33.34	26.78		1446.5							
	OBS	00089	00.94	33.44	26.82		1452.9							
	OBS	00099	00.70	33.43	26.82		1451.6							
	STD	00100	00.39	33.41	26.83	00.147	1450.5							
	OBS	00100	00.18	33.40	26.83		1449.6							
	OBS	00104	00.04	33.40	26.84		1449.0							
	OBS	00112	00.69	33.48	26.87		1452.2							
	STD	00125	00.43	33.55	26.93	00.177	1451.3							
	OBS	00125	00.42	33.55	26.94		1451.3							
	STD	00130	- 0.22	33.57	26.98	00.204	1448.8							
	OBS	00130	- 0.22	33.57	26.98		1448.8							
	OBS	00161	- 0.23	33.58	26.99		1448.5							
	OBS	00175	00.20	33.76	27.12		1451.4							

REFID 31 8463	YEAR 1975	BOTDP 00445	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1306
CONSEC 0048	MONTH 06	SHIP EV	NET BULB 02.9	01 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 46 15.3N	DAY 02	DATA USE 1	BAROMETR 1009.6	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 21.0N	MOUR 04.6	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG 011 847	1 SQUARE 67

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.6	STD	00000	01.43	33.15	26.55	00.000	1453.2							
	OBS	00005	01.43	33.15	26.55		1453.3							
	STD	00010	01.42	33.15	26.55	00.015	1453.3							
	OBS	00017	01.41	33.14	26.55		1453.4							
	OBS	00019	01.30	33.15	26.56		1452.9							
	STD	00020	01.23	33.17	26.58	00.030	1452.6							
	OBS	00028	00.69	33.24	26.67		1450.5							
	STD	00030	00.61	33.24	26.68	00.044	1450.1							
	OBS	00030	00.55	33.24	26.68		1450.0							
	STD	00050	00.87	33.43	26.81	00.070	1451.9							
	OBS	00055	00.88	33.46	26.84		1452.1							
	STD	00075	00.62	33.52	26.90	00.100	1451.3							
	OBS	00076	00.61	33.53	26.91		1451.3							
	OBS	00081	01.13	33.74	27.05		1456.2							
	STD	00100	01.00	33.78	27.08	00.127	1453.8							
	OBS	00100	00.99	33.78	27.09		1453.8							
	STD	00125	00.57	33.89	27.20	00.150	1452.4							
	OBS	00127	00.56	33.90	27.21		1452.4							
	OBS	00137	00.56	33.93	27.23		1452.6							
	OBS	00144	01.07	34.14	27.37		1455.3							
	STD	00150	01.14	34.17	27.39	00.170	1455.8							
	OBS	00150	01.15	34.17	27.39		1455.8							
	OBS	00175	01.44	34.33	27.48		1458.6							
	OBS	00180	02.12	34.43	27.53		1461.0							
	STD	00200	02.43	34.51	27.56	00.201	1462.8							
	OBS	00207	02.44	34.52	27.57		1462.9							
	OBS	00226	02.19	34.51	27.59		1462.2							
	STD	00250	02.50	34.61	27.64	00.227	1464.0							
	OBS	00255	02.55	34.62	27.64		1464.3							
	OBS	00277	02.67	34.65	27.66		1465.3							
	STD	00300	02.88	34.65	27.66	00.250	1465.7							
	OBS	00306	02.89	34.65	27.66		1465.8							
	OBS	00354	02.84	34.69	27.67		1467.3							
	STD	00400	03.14	34.77	27.71	00.295	1469.5							
	OBS	00401	03.15	34.77	27.71		1469.6							
	OBS	00439	03.21	34.78	27.71		1470.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

P8F12 31 0443 YEAR 1975 BOTOP 00878 AIR TEMP 04.5 DIR 167 PER WIND-DIR 14 INST STD RECORDER TEN SQ 1304
 COMSEC 0345 MONTH 06 SHIP EV WET BULB 01.0 04 1 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
 LA 46 13.0M DAY 02 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 66
 LONG 047 08.3M HOUR 06.0 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG 011 040 1 SQUARE 67

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	STD	00000	02.08	33.48	26.77	00.000	1456.5							
	OBS	00003	02.08	33.48	26.77		1456.6							
	STD	00010	02.07	33.49	26.78	00.013	1456.7							
	OBS	00011	02.07	33.50	26.79		1456.7							
	OBS	00019	02.29	33.62	26.87		1458.0							
	STD	00020	02.27	33.62	26.87	00.025	1457.9							
	OBS	00022	02.22	33.62	26.87		1457.7							
	OBS	00024	02.64	33.71	26.91		1459.7							
	OBS	00026	02.77	33.73	26.91		1460.3							
	OBS	00028	02.72	33.75	26.93		1460.2							
	STD	00030	02.79	33.78	26.95	00.037	1460.6							
	OBS	00036	03.04	33.85	26.99		1461.8							
	OBS	00040	03.12	33.86	26.99		1462.2							
	STD	00050	01.86	33.79	27.04	00.058	1456.8							
	OBS	00051	01.80	33.78	27.03		1456.4							
	OBS	00057	01.87	33.81	27.05		1457.0							
	OBS	00056	01.37	33.81	27.09		1456.8							
	OBS	00062	01.35	33.81	27.09		1456.8							
	OBS	00070	01.85	33.96	27.17		1457.3							
	OBS	00074	01.90	33.97	27.18		1457.4							
	STD	00075	01.94	33.99	27.19	00.082	1457.9							
	OBS	00078	02.26	34.05	27.21		1459.4							
	OBS	00076	02.58	34.06	27.19		1460.8							
	OBS	00093	02.58	34.18	27.29		1461.2							
	STD	00100	02.13	34.19	27.33	00.103	1459.3							
	OBS	00100	02.08	34.20	27.35		1459.2							
	OBS	00104	01.93	34.27	27.41		1458.7							
	STD	00125	02.20	34.43	27.52	00.116	1460.4							
	OBS	00125	02.21	34.43	27.52		1460.5							
	STD	00150	02.30	34.49	27.54	00.134	1461.3							
	OBS	00150	02.30	34.49	27.54		1461.4							
	OBS	00175	02.57	34.56	27.55		1463.0							
	STD	00200	02.74	34.68	27.68	00.158	1464.3							
	OBS	00207	02.78	34.70	27.69		1464.7							
	OBS	00230	02.87	34.71	27.65		1465.4							
	STD	00250	02.76	34.71	27.70	00.180	1465.3							
	OBS	00251	02.76	34.71	27.70		1465.3							
	OBS	00277	02.88	34.74	27.71		1466.3							
	STD	00300	03.16	34.78	27.72	00.201	1467.9							
	OBS	00306	03.22	34.79	27.72		1468.3							
	OBS	00350	03.42	34.83	27.73		1469.6							
	STD	00400	03.48	34.84	27.73	00.242	1471.0							
	OBS	00403	03.48	34.84	27.73		1471.1							
	OBS	00451	03.48	34.86	27.75		1471.9							
	STD	00500	03.48	34.86	27.75	00.282	1472.7							
	OBS	00502	03.48	34.86	27.75		1472.8							
	OBS	00550	03.44	34.86	27.75		1473.5							
	STD	00600	03.44	34.86	27.75	00.322	1474.3							
	OBS	00601	03.44	34.86	27.75		1474.3							
	OBS	00652	03.44	34.86	27.75		1475.1							
	STD	00700	03.44	34.86	27.75	00.363	1475.6							
	OBS	00704	03.44	34.86	27.75		1475.9							
	OBS	00750	03.43	34.86	27.75		1476.7							
	STD	00800	03.41	34.87	27.76	00.404	1477.4							
	OBS	00803	03.41	34.87	27.76		1477.5							
	OBS	00850	03.41	34.86	27.76		1478.2							
	OBS	00864	03.41	34.86	27.76		1478.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8463	YEAR 1975	BOTDP 01320	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 35	INST STO RECORDER	TEN 54 1306							
CONSEC 0070	MONTH 06	SHIP EV	WET BULB 04.6	35 1 2	WIND-SPD 10	TRACE DIA	5 SQUARE 4							
LA" 44 06.0N	DAY 02	DATA USE 1	BAROMETER 1010.9	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 66							
LONG 044 57.0W	MOOR 07.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG CII 849	1 SQUARE 66							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTR	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.7	STD	00000	03.48	33.64	26.78	00.000	1462.8							
	OBS	00005	03.48	33.64	26.78		1462.5							
	STD	00010	03.48	33.64	26.78	00.013	1463.0							
	OBS	00011	03.48	33.64	26.78		1463.0							
	STD	00020	03.54	33.67	26.80	00.025	1463.4							
	OBS	00020	03.54	33.68	26.80		1463.5							
	STD	00030	03.54	33.78	26.89	00.038	1463.8							
	OBS	00030	03.54	33.75	26.85		1463.8							
	OBS	00032	03.13	33.82	26.95		1462.1							
	OBS	00034	02.96	33.84	26.99		1461.4							
	STD	00050	02.80	33.91	27.06	00.060	1461.1							
	OBS	00051	02.78	33.92	27.07		1461.0							
	OBS	00055	02.73	33.95	27.05		1460.5							
	STD	00075	02.22	34.18	27.32	00.082	1459.3							
	OBS	00076	02.20	34.19	27.33		1459.3							
	OBS	00087	02.08	34.29	27.42		1459.1							
	STD	00100	02.14	34.36	27.47	00.099	1459.6							
	OBS	00100	02.14	34.36	27.47		1459.7							
	STD	00125	02.27	34.47	27.55	00.114	1460.8							
	OBS	00127	02.28	34.46	27.55		1460.9							
	STD	00150	02.41	34.53	27.58	00.128	1461.9							
	OBS	00150	02.41	34.53	27.58		1461.9							
	OBS	00175	02.41	34.57	27.62		1462.4							
	STD	00200	02.39	34.58	27.62	00.153	1462.7							
	OBS	00201	02.39	34.58	27.63		1462.7							
	OBS	00228	02.44	34.65	27.68		1463.5							
	OBS	00234	03.04	34.72	27.68		1466.3							
	STD	00250	03.33	34.75	27.68	00.176	1467.8							
	OBS	00251	03.34	34.75	27.68		1467.9							
	OBS	00276	03.00	34.72	27.68		1466.8							
	STD	00300	03.41	34.79	27.70	00.156	1465.0							
	OBS	00306	03.48	34.80	27.70		1469.4							
	OBS	00352	03.50	34.81	27.71		1470.3							
	STD	00400	03.81	34.88	27.73	00.240	1472.5							
	OBS	00401	03.82	34.88	27.73		1472.6							
	OBS	00458	03.93	34.91	27.74		1474.0							
	STD	00500	03.79	34.89	27.74	00.281	1474.1							
	OBS	00504	03.78	34.85	27.74		1474.1							
	OBS	00553	03.73	34.88	27.74		1474.7							
	STD	00600	03.67	34.88	27.75	00.323	1475.2							
	OBS	00605	03.67	34.88	27.75		1475.3							
	OBS	00654	03.64	34.88	27.75		1476.0							
	STD	00700	03.64	34.85	27.76	00.364	1476.8							
	OBS	00700	03.64	34.85	27.76		1476.8							
	OBS	00753	03.61	34.88	27.75		1477.5							
	STD	00800	03.57	34.88	27.76	00.405	1478.1							
	OBS	00801	03.57	34.88	27.76		1478.1							
	OBS	00852	03.56	34.88	27.76		1478.9							
	STD	00900	03.55	34.88	27.76	00.446	1479.7							
	OBS	00904	03.55	34.88	27.76		1479.8							
	OBS	00953	03.52	34.88	27.76		1480.5							
	STD	01000	03.52	34.88	27.76	00.490	1481.2							
	OBS	01005	03.52	34.88	27.76		1481.3							
	OBS	01058	03.48	34.87	27.76		1482.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REF ID	31 0443	YEAR	1975	BOTOP	01165	AIR TEMP	06.0	DIR HGT PER	WIND-DIR	35	INST STD RECORDER	TRAC	SD	1306
CONSEC	0071	MONTH	06	S-IP EV	05.5	WET BULB	05.5	03 2 4	WIND-SPD	10	TRACE DIR	0	5	SQUARE 4
LA	46 05.1N	DAY	02	DATA USE	1	BAROMETER	1010.8	SEA	WIND-FOR	00.3	DURATION	00.3	2	SQUARE 66
LONG	346 45.8W	HOUR	10.6	AREA	05	CLOUD T/A		CL/TR	WEATHER	X1	ORIG	011 850 14	1	SQUARE 66
CASHTNUR/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.6	STD	00000	04.00	33.53	26.64	00.000	1464.9							
	OBS	00001	04.00	33.53	26.64		1464.9							
	STD	00010	03.98	33.53	26.64	00.014	1465.0							
	OBS	00011	03.98	33.53	26.64		1465.0							
	STD	00020	03.96	33.53	26.64	00.028	1465.0							
	OBS	00020	03.96	33.53	26.64		1465.1							
	STD	00030	04.22	33.63	26.69	00.042	1466.4							
	OBS	00030	04.23	33.63	26.70		1466.5							
	OBS	00036	04.34	33.67	26.72		1467.1							
	OBS	00043	03.78	33.69	26.79		1466.9							
	OBS	00049	02.58	33.74	26.64		1459.9							
	STD	00050	02.36	33.77	26.98	00.066	1459.0							
	OBS	00051	01.90	33.84	27.07		1457.1							
	OBS	00057	02.26	33.94	27.12		1458.9							
	OBS	00059	01.92	33.57	27.18		1457.5							
	OBS	00064	01.32	33.55	27.20		1456.9							
	OBS	00074	00.57	33.99	27.26		1453.5							
	STD	00075	01.02	34.03	27.29	00.090	1453.8							
	OBS	00076	01.08	34.08	27.32		1454.2							
	OBS	00085	01.46	34.21	27.40		1456.2							
	OBS	00086	01.83	34.32	27.46		1458.1							
	OBS	00099	03.43	34.49	27.46		1465.4							
	STD	00100	03.42	34.50	27.47	00.108	1465.4							
	OBS	00102	03.41	34.52	27.49		1465.4							
	STD	00125	03.65	34.63	27.55	00.123	1466.9							
	OBS	00129	03.69	34.64	27.55		1467.2							
	STD	00150	03.82	34.68	27.57	00.137	1468.2							
	OBS	00152	03.84	34.68	27.57		1468.8							
	OBS	00177	03.41	34.66	27.60		1466.8							
	STD	00200	03.79	34.75	27.63	00.162	1468.9							
	OBS	00201	03.82	34.75	27.63		1469.1							
	OBS	00209	03.59	34.74	27.64		1468.2							
	OBS	00226	03.70	34.76	27.65		1469.0							
	STD	00250	03.90	34.82	27.68	00.186	1470.3							
	OBS	00258	03.96	34.84	27.68		1470.7							
	OBS	00277	04.05	34.87	27.70		1471.5							
	STD	00300	04.25	34.92	27.72	00.207	1472.7							
	OBS	00302	04.24	34.92	27.72		1472.8							
	OBS	00319	04.30	34.92	27.71		1473.3							
	STD	00400	04.05	34.92	27.74	00.245	1473.6							
	OBS	00405	04.05	34.92	27.74		1473.6							
	OBS	00451	04.09	34.94	27.75		1474.6							
	STD	00500	04.11	34.96	27.76	00.285	1475.5							
	OBS	00500	04.11	34.96	27.76		1475.5							
	OBS	00550	04.05	34.95	27.76		1476.1							
	STD	00600	03.71	34.91	27.77	00.328	1475.4							
	OBS	00603	03.70	34.91	27.77		1475.4							
	OBS	00622	03.65	34.91	27.77		1475.5							
	OBS	00626	03.64	34.91	27.77		1475.6							
	OBS	00633	03.66	34.91	27.77		1475.8							
	OBS	00637	03.64	34.91	27.77		1475.7							
	OBS	00639	03.64	34.92	27.78		1475.8							
	OBS	00651	03.68	34.92	27.78		1476.2							
	OBS	00654	03.59	34.90	27.77		1476.5							
	STD	00700	03.58	34.89	27.76	00.368	1476.5							
	OBS	00704	03.57	34.85	27.76		1476.5							
	OBS	00708	03.55	34.89	27.77		1476.5							
	STD	00800	03.54	34.90	27.78	00.408	1478.0							
	OBS	00800	03.54	34.90	27.78		1478.0							
	STD	00900	03.54	34.90	27.78	00.445	1479.7							
	OBS	00900	03.54	34.90	27.78		1479.7							
	STD	01000	03.48	34.89	27.77	00.490	1481.1							
	OBS	01000	03.48	34.89	27.77		1481.1							
	OBS	01050	03.46	34.85	27.78		1481.8							

TABLE II: USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

RFID 31 8463	YEAR 1975	BDTP 00610	AIR TEMP 05.5	DIR AGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0072	MONTH 04	SHIP EV	WET BULB 05.8	35 2 2	WIND-SPD 10	TRACE CIR 0	3 SQUARE 4
LA* 45 54.8N	DAY 02	DATA USE 1	BAROMETER 1010.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 28.1W	MOOR 12.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	DRIS 011 851	1 SQUARE 56

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
12.5	STD	C0000	03.93	33.49	26.62	00.000	1464.5							
	OBS	00000	03.93	33.49	26.62		1464.5							
	STD	00010	03.79	33.49	26.63	00.014	1464.1							
	OBS	00011	03.77	33.49	26.63		1464.0							
	STD	00020	03.71	33.50	26.65	00.028	1463.9							
	OBS	00024	03.64	33.51	26.66		1463.7							
	STD	00030	03.50	33.53	26.69	00.042	1463.2							
	OBS	00038	03.28	33.55	26.73		1462.5							
	OBS	00040	02.44	33.59	26.83		1458.9							
	STD	00050	02.00	33.72	26.97	00.067	1457.3							
	OBS	00051	01.94	33.73	26.98		1457.2							
	OBS	00064	01.74	33.82	27.07		1456.6							
	OBS	00070	01.56	34.08	27.29		1456.2							
	OBS	00072	01.53	34.06	27.28		1456.1							
	STD	00075	01.58	34.05	27.30	00.091	1456.4							
	OBS	00081	01.85	34.18	27.35		1457.8							
	OBS	00097	03.12	34.42	27.43		1463.9							
	STD	00100	03.13	34.43	27.44	00.105	1464.0							
	OBS	00104	03.16	34.44	27.45		1464.3							
	OBS	00112	03.25	34.46	27.45		1464.8							
	OBS	00119	03.15	34.46	27.46		1464.5							
	STD	00125	02.59	34.43	27.45	00.125	1463.9							
	OBS	00129	02.78	34.41	27.46		1463.0							
	OBS	00137	02.23	34.38	27.48		1460.7							
	OBS	00144	02.17	34.41	27.51		1460.6							
	STD	C0150	02.44	34.49	27.55	00.140	1462.0							
	OBS	00153	02.46	34.49	27.55		1462.1							
	OBS	00161	02.91	34.53	27.54		1464.2							
	OBS	00175	03.30	34.63	27.58		1466.3							
	STD	00200	03.57	34.71	27.62	00.166	1468.0							
	OBS	00201	03.59	34.71	27.62		1468.1							
	OBS	00230	03.77	34.74	27.62		1469.3							
	STD	00250	03.75	34.78	27.66	00.191	1469.6							
	OBS	00255	03.75	34.79	27.67		1469.7							
	OBS	00279	04.04	34.84	27.68		1471.4							
	STD	C0300	04.04	34.85	27.68	00.213	1471.8							
	OBS	00306	04.04	34.85	27.68		1471.9							
	OBS	00350	04.07	34.90	27.72		1472.8							
	STD	00400	04.11	34.92	27.73	00.257	1473.8							
	OBS	00401	04.11	34.92	27.73		1473.8							
	OBS	00453	04.07	34.92	27.74		1474.5							
	STD	00520	03.58	34.92	27.75	00.296	1474.9							
	OBS	00500	03.58	34.92	27.75		1474.9							
	OBS	00557	03.82	34.92	27.76		1475.2							
	OBS	00565	03.66	34.90	27.76		1475.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 01065 AIR TEMP 07.2 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1306
 CONSEC 0373 MONTH 06 SHIP EV WET BULB 07.1 34 2 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 4
 LAT 43 54.2N DAY 02 DATA USE 1 BAROMETER 100% SEA CL/TH WIND-FOR DURATION 00.1 2 SQUARE 46
 LONG 046 14.0W HOUR 14.2 AREA 05 CLCUD T/A WEATHER X4 ORIG 011 852 1 SQUARE 56

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNHPT	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
14.2	STD	00000	03.44	33.41	26.58	00.000	1463.2							
	OBS	00005	03.44	33.41	26.58		1463.3							
	STD	00010	03.41	33.41	26.59	00.015	1463.2							
	STD	00020	03.34	33.42	26.60	00.025	1463.1							
	OBS	00022	03.52	33.42	26.60		1463.1							
	STD	00030	03.13	33.47	26.68	00.043	1461.6							
	OBS	00036	03.01	33.48	26.69		1461.2							
	OBS	00040	03.03	33.47	26.68		1461.3							
	STD	00050	02.13	33.56	26.86	00.065	1457.7							
	OBS	00051	02.00	33.63	26.90		1457.2							
	OBS	00055	01.46	33.77	27.03		1456.0							
	OBS	00059	01.78	33.80	27.05		1456.6							
	OBS	00066	01.47	33.79	27.06		1455.4							
	OBS	00068	02.06	33.93	27.13		1458.3							
	STD	00075	01.88	33.98	27.19	00.095	1457.6							
	OBS	00078	01.78	34.07	27.27		1457.3							
	OBS	00079	02.58	34.15	27.27		1460.5							
	OBS	00083	02.58	34.14	27.26		1461.0							
	OBS	00087	01.87	34.07	27.26		1457.5							
	OBS	00091	02.12	34.21	27.35		1459.2							
	OBS	00097	02.25	34.22	27.35		1459.9							
	OBS	00099	02.19	34.22	27.35		1459.7							
	STD	00100	02.48	34.29	27.39	00.115	1461.0							
	OBS	00100	02.70	34.34	27.41		1462.1							
	OBS	00106	03.41	34.35	27.38		1465.3							
	OBS	00112	03.50	34.41	27.39		1465.8							
	OBS	00116	03.68	34.52	27.43		1468.0							
	OBS	00119	04.21	34.52	27.40		1469.1							
	STD	00125	03.88	34.50	27.42	00.133	1467.7							
	OBS	00125	03.85	34.50	27.43		1467.6							
	OBS	00135	03.57	34.50	27.45		1466.6							
	OBS	00142	03.64	34.50	27.45		1467.0							
	OBS	00148	02.78	34.41	27.46		1463.3							
	STD	00150	02.84	34.45	27.48	00.145	1463.0							
	OBS	00154	03.12	34.56	27.54		1465.1							
	OBS	00165	03.68	34.61	27.53		1467.7							
	OBS	00167	04.55	34.72	27.53		1471.5							
	OBS	00171	04.61	34.72	27.52		1471.8							
	OBS	00173	04.27	34.69	27.53		1470.4							
	OBS	00175	04.24	34.68	27.53		1470.3							
	OBS	00168	03.77	34.67	27.57		1468.7							
	STD	00200	03.89	34.72	27.60	00.177	1469.3							
	OBS	00203	04.07	34.77	27.62		1470.2							
	OBS	00207	04.21	34.75	27.59		1470.8							
	OBS	00211	04.00	34.75	27.61		1470.0							
	OBS	00215	04.28	34.76	27.59		1471.2							
	OBS	00232	04.33	34.80	27.61		1471.8							
	STD	00250	04.60	34.87	27.64	00.203	1473.3							
	OBS	00251	04.61	34.87	27.64		1473.4							
	OBS	00272	04.51	34.84	27.63		1473.3							
	OBS	00276	04.16	34.80	27.63		1471.8							
	OBS	00293	03.44	34.73	27.65		1469.0							
	STD	00300	03.61	34.77	27.66	00.227	1469.8							
	OBS	00304	03.71	34.75	27.67		1470.4							
	OBS	00350	04.07	34.89	27.71		1472.8							
	STD	00400	03.98	34.90	27.73	00.271	1473.2							
	OBS	00401	03.98	34.90	27.73		1473.3							
	OBS	00451	04.31	34.98	27.76		1475.6							
	STD	00500	04.43	35.01	27.77	00.311	1476.9							
	OBS	00502	04.43	35.01	27.77		1477.0							
	OBS	00550	04.39	35.00	27.77		1477.6							
	STD	00600	04.11	34.96	27.77	00.351	1477.2							
	OBS	00605	04.05	34.96	27.77		1477.2							
	OBS	00651	04.00	34.97	27.78		1477.6							
	STD	00700	03.57	34.96	27.78	00.391	1478.2							
	OBS	00700	03.47	34.96	27.78		1478.2							
	OBS	00755	03.66	34.93	27.79		1477.6							
	STD	00800	03.61	34.92	27.78	00.430	1478.3							
	OBS	00803	03.61	34.92	27.78		1478.4							
	OBS	00852	03.57	34.92	27.79		1479.0							
	STD	00900	03.57	34.92	27.79	00.470	1479.8							
	OBS	00902	03.57	34.92	27.79		1479.5							
	OBS	00951	03.53	34.92	27.79		1480.5							
	STD	01000	03.53	34.93	27.80	00.510	1481.3							
	OBS	01007	03.53	34.93	27.80		1481.5							
	OBS	01027	03.53	34.93	27.80		1481.6							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 0463 YEAR 1975 BOTDP 02000 AIR TEMP 05.9 DIR HGT PER WIND-DIA 33 INST STD RECORDER TEN SQ 1306
 CD4SEC 0074 MONTH 06 SHIP EV WET BULB 05.0 33 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
 LAT 43 44.8N DAY 02 DATA USE 1 BAROMETR 1009.1 SEA CL/TP WIND-FOR WEATHER X4 DURATION 00.4 2 SQUARE 46
 LONG 046 00.0W HOUR 16.0 AREA 05 CLOUD T/A DRSG 011 853 1 SQUARE 56

CASHTUN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT.P	NO2	NO3	SIO3	PH
16.0	STD	C0000	04.89	33.55	26.56	00.000	1468.6							
	OBS	00005	04.86	33.55	26.56		1468.7							
	STD	00010	04.90	33.56	26.57	00.015	1468.8							
	STD	00020	04.91	33.57	26.57	00.030	1469.1							
	OBS	00020	04.91	33.57	26.57		1469.1							
	STD	C0030	05.01	33.62	26.60	00.044	1469.7							
	OBS	00030	05.02	33.62	26.60		1469.8							
	OBS	00038	05.15	33.64	26.60		1470.4							
	OBS	00040	05.45	33.82	26.71		1471.9							
	STD	00050	06.04	34.13	26.78	00.072	1478.1							
	OBS	00051	07.03	34.17	26.78		1478.5							
	OBS	00055	05.41	34.03	26.88		1472.3							
	OBS	00057	05.01	34.12	27.00		1470.8							
	OBS	00062	04.59	34.19	27.06		1470.9							
	STD	00075	04.47	34.23	27.15	00.095	1469.0							
	OBS	00078	04.36	34.24	27.17		1468.6							
	OBS	00063	03.87	34.24	27.22		1466.8							
	OBS	00067	04.58	34.40	27.27		1470.1							
	STD	00100	04.67	34.41	27.26	00.121	1470.5							
	OBS	00100	04.70	34.41	27.26		1470.6							
	OBS	00123	05.31	34.55	27.30		1473.7							
	STD	00125	05.29	34.55	27.30	00.142	1473.7							
	OBS	00125	05.22	34.53	27.30		1473.4							
	OBS	00131	05.12	34.57	27.34		1473.1							
	OBS	00133	05.37	34.63	27.36		1474.2							
	OBS	00144	05.06	34.59	27.36		1473.1							
	STD	00150	04.86	34.56	27.35	00.161	1472.4							
	OBS	00152	04.75	34.58	27.39		1471.5							
	OBS	00158	04.40	34.55	27.41		1470.5							
	OBS	00175	04.64	34.64	27.45		1471.9							
	OBS	00156	04.64	34.67	27.48		1472.3							
	STD	00200	05.03	34.74	27.45	00.194	1474.1							
	OBS	00203	05.25	34.78	27.49		1475.1							
	OBS	00211	05.27	34.78	27.49		1475.3							
	OBS	00215	04.57	34.76	27.51		1474.1							
	OBS	00234	04.57	34.77	27.52		1474.4							
	OBS	00236	04.62	34.74	27.53		1473.0							
	OBS	00241	04.29	34.71	27.55		1471.7							
	STD	00250	04.20	34.71	27.56	00.224	1471.4							
	OBS	00255	04.13	34.71	27.56		1471.2							
	OBS	00260	04.04	34.71	27.57		1470.9							
	OBS	00266	04.04	34.71	27.57		1471.0							
	OBS	00268	04.32	34.77	27.59		1472.3							
	OBS	00285	03.78	34.71	27.60		1470.2							
	STD	00300	04.54	34.86	27.64	00.251	1473.9							
	OBS	00300	04.57	34.87	27.64		1474.0							
	OBS	00346	04.77	34.50	27.64		1475.6							
	OBS	00354	04.45	34.88	27.66		1474.4							
	OBS	00357	04.50	34.50	27.67		1474.7							
	OBS	00367	04.93	34.98	27.69		1476.8							
	STD	00400	04.58	35.00	27.70	00.298	1477.5							
	OBS	00403	04.58	35.00	27.70		1477.6							
	OBS	00451	04.68	34.98	27.72		1477.1							
	STD	C0500	04.64	35.01	27.75	00.341	1477.8							
	OBS	00500	04.64	35.01	27.75		1477.8							
	OBS	00550	04.61	35.02	27.76		1478.5							
	STD	00600	04.39	35.00	27.77	00.383	1478.4							
	OBS	00601	04.39	35.00	27.77		1478.4							
	OBS	00652	04.34	35.00	27.77		1479.1							
	STD	00700	04.21	34.98	27.77	00.423	1476.3							
	OBS	00700	04.21	34.98	27.77		1476.3							
	OBS	00751	04.05	34.54	27.75		1475.4							
	STD	00800	03.71	34.92	27.77	00.464	1478.7							
	OBS	00801	03.70	34.92	27.78		1478.7							
	OBS	00850	03.64	34.92	27.78		1479.3							
	STD	00900	03.64	34.92	27.78	00.505	1480.1							
	OBS	00904	03.64	34.92	27.78		1480.2							
	OBS	00951	03.66	34.93	27.79		1481.1							
	STD	01000	03.64	34.93	27.79	00.545	1481.8							
	OBS	01007	03.62	34.93	27.79		1481.8							
	OBS	01024	03.57	34.92	27.79		1481.9							
	OBS	01062	03.57	34.92	27.79		1482.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C S T A T I O N D A T A

REFIC 31 0463	YEAR 1975	BOTDP 0010c	AIR TEMP 03.3	DIR MGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0075	MONTH 06	SHIP EV	WET BULB 03.3	32 0 2	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 44 50.9N	DAY 03	DATA USE 1	BAROMETR 1008.1	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 17.0W	MOOR 06.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 854	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NC3	SIO3	PH
06.8	STD	00000	00.78	33.02	26.49	00.000	1450.1							
	OBS	00003	00.78	33.02	26.49		1450.2							
	STD	00010	00.78	33.02	26.49	00.016	1450.3							
	OBS	00015	00.78	33.02	26.49		1450.3							
	STD	00020	00.59	33.03	26.51	00.031	1449.6							
	OBS	00022	00.51	33.04	26.52		1449.3							
	STD	00030	00.40	33.06	26.54	00.046	1448.9							
	OBS	00032	00.36	33.06	26.55		1448.8							
	STD	00050	00.11	33.06	26.56	00.076	1447.9							
	OBS	00051	00.10	33.06	26.56		1447.9							
	OBS	00068	00.02	33.07	26.57		1447.8							
	STD	00075	- 0.40	33.13	26.64	00.112	1446.1							
	OBS	00076	- 0.50	33.15	26.66		1445.7							
	OBS	00078	- 0.69	33.18	26.69		1444.9							
	OBS	00097	- 0.80	33.22	26.73		1444.7							
	STD	00100	- 0.80	33.23	26.73	00.146	1444.8							
	OBS	00102	- 0.80	33.24	26.74		1444.8							

REFIC 31 0463	YEAR 1975	BOTDP 0010c	AIR TEMP 03.3	DIR MGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0076	MONTH 06	SHIP EV	WET BULB 03.2	99 X X	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 44 50.5N	DAY 03	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 06.0W	MOOR 07.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 855 10	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NC3	SIO3	PH
07.9	STD	00000	01.24	32.97	26.42	00.000	1452.1							
	OBS	00001	01.24	32.97	26.42		1452.1							
	OBS	00009	01.23	32.97	26.42		1452.2							
	STD	00010	01.12	32.96	26.42	00.016	1451.7							
	OBS	00011	00.85	32.92	26.41		1450.5							
	STD	00020	00.65	32.98	26.46	00.032	1449.8							
	STD	00030	00.43	33.03	26.52	00.048	1449.0							
	OBS	00030	00.42	33.03	26.52		1449.0							
	STD	00050	00.29	33.08	26.56	00.078	1448.8							
	OBS	00053	- 0.01	33.09	26.59		1447.5							
	OBS	00059	- 0.73	33.11	26.63		1444.3							
	OBS	00060	- 0.67	33.21	26.71		1444.7							
	OBS	00062	- 0.84	33.19	26.70		1443.9							
	STD	00075	- 0.75	33.27	26.77	00.112	1444.6							
	OBS	00076	- 0.75	33.28	26.77		1444.7							
	OBS	00091	- 0.78	33.37	26.85		1444.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 00880	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0077	MONTH 06	SHIP EV	MET BULB 02.2	99 X X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 44 48.0N	DAY 03	DATA USE 1	BARCHMET 1010.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 51.8W	MOUR 09.1	AREA 05	CLOUD T/A	CL/TA	WEATHER X4	ORIG 011 056 11	1 SQUARE 48

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	QXVG	PO4	TOT P	NO2	NO3	S103	PH
09.1	STD	00000	01.46	33.09	26.50	00.000	1453.3							
	OBS	00001	01.46	33.09	26.50		1453.3							
	STD	00010	01.43	33.09	26.50	00.015	1453.3							
	STD	00020	01.20	33.08	26.51	00.031	1452.4							
	OBS	00022	01.10	33.08	26.52		1452.0							
	STD	00030	00.76	33.13	26.58	00.046	1450.6							
	OBS	00030	00.73	33.13	26.58		1450.5							
	OBS	00038	00.26	33.18	26.65		1448.6							
	OBS	00041	- 0.55	33.20	26.70		1446.6							
	OBS	00045	- 0.78	33.24	26.74		1446.0							
	STD	00050	- 0.88	33.25	26.75	00.073	1443.6							
	OBS	00051	- 0.91	33.25	26.75		1443.5							
	OBS	00053	- 0.94	33.32	26.81		1443.5							
	OBS	00055	- 0.76	33.31	26.80		1444.3							
	OBS	00057	- 0.77	33.28	26.77		1444.3							
	OBS	00059	- 1.27	33.29	26.80		1442.0							
	OBS	00066	- 1.34	33.34	26.84		1441.9							
	STD	00075	- 1.20	33.38	26.87	00.104	1442.7							
	OBS	00076	- 1.19	33.39	26.88		1442.8							
	STD	00100	- 1.15	33.42	26.90	00.134	1443.4							
	OBS	00102	- 1.14	33.46	26.93		1443.6							
	OBS	00110	- 0.51	33.60	27.02		1446.8							
	STD	00125	- 0.36	33.58	27.00	00.161	1447.7							
	OBS	00125	- 0.35	33.58	27.00		1447.8							
	OBS	00142	- 0.21	33.62	27.02		1448.8							
	STD	00150	00.05	33.71	27.09	00.187	1450.2							
	OBS	00152	00.12	33.74	27.11		1450.6							
	OBS	00177	00.58	33.88	27.19		1453.3							
	OBS	00180	00.51	33.93	27.24		1453.1							
	OBS	00188	00.92	34.03	27.29		1455.2							
	STD	00200	00.96	34.12	27.36	00.230	1455.7							
	OBS	00201	01.33	34.19	27.39		1457.5							
	OBS	00203	01.83	34.28	27.43		1455.6							
	OBS	00234	02.17	34.46	27.55		1462.1							
	STD	00250	02.29	34.53	27.56	00.261	1463.0							
	OBS	00251	02.30	34.53	27.56		1463.1							
	OBS	00277	02.31	34.53	27.59		1463.6							
	STD	00300	02.49	34.59	27.62	00.286	1464.8							
	OBS	00300	02.50	34.59	27.62		1464.8							
	OBS	00350	02.95	34.73	27.70		1467.8							
	STD	00400	03.18	34.76	27.72	00.352	1469.7							
	OBS	00401	03.19	34.79	27.72		1469.8							
	OBS	00453	03.43	34.83	27.73		1471.7							
	STD	00500	03.59	34.86	27.74	00.373	1473.2							
	OBS	00500	03.59	34.86	27.74		1473.2							
	OBS	00555	03.53	34.87	27.75		1473.9							
	STD	00600	03.52	34.86	27.75	00.414	1474.5							
	OBS	00605	03.52	34.86	27.75		1474.6							
	OBS	00652	03.57	34.87	27.75		1475.6							
	STD	00700	03.55	34.87	27.75	00.456	1476.3							
	OBS	00700	03.55	34.87	27.75		1476.4							
	OBS	00751	03.53	34.88	27.76		1477.1							
	STD	00800	03.53	34.88	27.76	00.457	1477.6							
	OBS	00803	03.53	34.88	27.76		1478.0							
	OBS	00829	03.52	34.88	27.76		1478.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

PSFID 31 8463	YEAR 1975	BOTDP 01646	AIR TEMP 05.3	DIR HGT PER	WIND-DIR 35	INST STC RECORDER	TEN 50 1306
CONSEC 0078	MONTH 06	SHIP EV	WET BULB 04.6	05 2 2	WIND-SPD 07	TRACE DIR	5 SQUARE 2
LAT 44 52.0N	DAY 03	DATA USE 1	BARCHETA 1008.2	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 48
LONG 049 38.3W	HOUR 11.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIS 011 057 15	1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DEYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.0	STD	00000	02.44	33.38	26.66	00.000	1458.0							
	OBS	00003	02.44	33.38	26.66		1458.0							
	STD	00010	02.44	33.37	26.66	00.014	1458.1							
	OBS	00013	02.44	33.37	26.66		1458.2							
	STD	00020	02.35	33.36	26.66	00.028	1457.5							
	STD	00030	02.24	33.36	26.66	00.042	1457.6							
	OBS	00030	02.24	33.36	26.66		1457.6							
	OBS	00041	02.17	33.36	26.67		1457.5							
	OBS	00043	01.94	33.46	26.77		1456.6							
	STD	00050	01.90	33.55	26.84	00.068	1456.7							
	OBS	00055	01.87	33.64	26.92		1456.7							
	STD	00075	01.79	33.55	27.17	00.094	1457.1							
	OBS	00078	01.78	34.09	27.28		1457.3							
	OBS	00076	01.58	34.19	27.38		1456.6							
	OBS	00095	02.24	34.38	27.48		1460.0							
	STD	00100	02.46	34.43	27.50	00.113	1461.1							
	OBS	00100	02.50	34.43	27.50		1461.3							
	OBS	00102	02.33	34.43	27.51		1460.6							
	OBS	00110	02.37	34.49	27.56		1461.0							
	OBS	00118	02.61	34.51	27.55		1462.2							
	STD	00125	02.60	34.53	27.57	00.127	1462.3							
	OBS	00125	02.40	34.53	27.57		1462.3							
	STD	00150	02.65	34.56	27.58	00.141	1463.0							
	OBS	00152	02.66	34.56	27.59		1463.0							
	OBS	00175	02.58	34.59	27.62		1463.1							
	STD	00200	02.75	34.68	27.67	00.165	1464.4							
	OBS	00201	02.76	34.68	27.67		1464.5							
	OBS	00232	03.07	34.72	27.68		1466.4							
	STD	00250	03.24	34.75	27.69	00.187	1467.4							
	OBS	00253	03.27	34.76	27.69		1467.6							
	OBS	00279	03.46	34.80	27.70		1468.9							
	OBS	00298	03.69	34.86	27.73		1470.3							
	STD	00300	03.72	34.86	27.73	00.208	1470.4							
	OBS	00310	03.95	34.90	27.73		1471.6							
	OBS	00352	03.66	34.91	27.74		1472.4							
	STD	00400	03.61	34.91	27.75	00.248	1473.0							
	OBS	00405	03.90	34.91	27.75		1473.0							
	OBS	00451	03.70	34.88	27.74		1472.9							
	STD	00500	03.62	34.89	27.76	00.288	1473.4							
	OBS	00504	03.62	34.89	27.76		1473.4							
	OBS	00552	03.65	34.90	27.76		1474.5							
	STD	00600	03.62	34.90	27.76	00.327	1475.2							
	OBS	00603	03.66	34.90	27.76		1475.2							
	OBS	00652	03.62	34.90	27.77		1475.6							
	STD	00700	03.61	34.89	27.76	00.367	1476.6							
	OBS	00702	03.61	34.89	27.76		1476.7							
	OBS	00753	03.53	34.89	27.77		1477.2							
	STD	00800	03.53	34.89	27.77	00.408	1478.0							
	OBS	00805	03.53	34.89	27.77		1478.0							
	OBS	00852	03.52	34.88	27.76		1478.8							
	STD	00900	03.50	34.88	27.76	00.450	1479.5							
	OBS	00906	03.50	34.88	27.76		1479.6							
	OBS	00951	03.50	34.88	27.76		1480.3							
	STD	01000	03.50	34.87	27.76	00.492	1481.1							
	OBS	01001	03.50	34.87	27.76		1481.2							
	OBS	01058	03.48	34.87	27.76		1482.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

PEPID 31 0443	YEAR 1975	BOTDP 02357	AIR TEMP 04.8	DIR 1GT PER	WIND-CIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0376	MONTH 04	SHIP EV	WET BULB 04.7	32 1 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LA* 44 50.5N	DAY 03	DATA USE 1	BAROMETER 1010.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 24.0W	MOOR 12.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DR16 011 858 10	1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	STD	00000	02.75	33.37	26.63	00.000	1459.3							
	OBS	00001	02.75	33.37	26.63		1459.3							
	STD	00010	02.72	33.37	26.63	00.014	1459.3							
	OBS	00011	02.71	33.37	26.63		1459.3							
	STD	00020	02.69	33.37	26.63	00.028	1459.4							
	STD	00030	02.67	33.37	26.64	00.042	1459.5							
	OBS	00032	02.67	33.37	26.64		1459.5							
	OBS	00049	01.94	33.78	27.02		1457.1							
	STD	00050	01.92	33.78	27.03	00.067	1457.1							
	OBS	00053	01.80	33.82	27.06		1456.6							
	OBS	00064	01.51	34.00	27.23		1455.8							
	OBS	00070	01.35	34.04	27.27		1455.2							
	STD	00075	01.70	34.17	27.35	00.085	1457.1							
	OBS	00076	01.76	34.19	27.36		1457.3							
	OBS	00089	01.53	34.22	27.40		1456.6							
	OBS	00095	01.77	34.30	27.45		1457.9							
	STD	00100	01.76	34.33	27.47	00.106	1457.9							
	OBS	00100	01.76	34.33	27.48		1457.9							
	OBS	00121	02.63	34.46	27.33		1461.4							
	STD	00125	02.55	34.48	27.34	00.121	1462.0							
	OBS	00133	02.82	34.54	27.36		1463.4							
	STD	00150	03.29	34.63	27.38	00.135	1465.8							
	OBS	00150	03.29	34.63	27.38		1465.8							
	OBS	00175	02.87	34.60	27.60		1466.4							
	OBS	00190	02.46	34.58	27.62		1462.8							
	STD	00200	02.45	34.59	27.63	00.160	1462.9							
	OBS	00203	02.44	34.59	27.63		1463.0							
	OBS	00226	02.57	34.64	27.66		1464.0							
	STD	00250	02.77	34.69	27.68	00.183	1465.3							
	OBS	00251	02.78	34.69	27.68		1465.4							
	OBS	00276	03.02	34.72	27.68		1466.5							
	OBS	00279	03.08	34.76	27.71		1467.2							
	OBS	00291	03.32	34.79	27.71		1468.5							
	STD	00300	03.35	34.80	27.71	00.205	1468.6							
	OBS	00306	03.43	34.81	27.71		1469.2							
	OBS	00352	03.62	34.86	27.74		1470.9							
	STD	00400	04.18	34.95	27.75	00.246	1474.1							
	OBS	00407	04.20	34.95	27.75		1474.3							
	OBS	00451	03.96	34.92	27.75		1474.0							
	STD	00500	04.14	34.96	27.76	00.286	1475.6							
	OBS	00502	04.14	34.96	27.76		1475.7							
	OBS	00550	04.07	34.95	27.76		1476.2							
	STD	00600	04.02	34.95	27.77	00.325	1476.8							
	OBS	00601	04.02	34.95	27.77		1476.8							
	OBS	00651	03.91	34.94	27.77		1477.1							
	STD	00700	03.87	34.94	27.77	00.366	1477.8							
	OBS	00700	03.87	34.94	27.77		1477.8							
	OBS	00751	03.80	34.93	27.77		1478.3							
	STD	00800	03.80	34.93	27.77	00.406	1479.1							
	OBS	00805	03.80	34.93	27.77		1479.2							
	OBS	00850	03.75	34.93	27.78		1479.8							
	STD	00900	03.68	34.92	27.78	00.447	1480.3							
	OBS	00906	03.67	34.92	27.78		1480.4							
	OBS	00953	03.66	34.92	27.78		1481.1							
	STD	01000	03.65	34.92	27.78	00.488	1481.8							
	OBS	01001	03.65	34.92	27.78		1481.9							
	OBS	01054	03.64	34.92	27.78		1482.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
PEPIC 31 0463	YEAR 1975	BDTDP 02763	AIR TEMP 05.7	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN 50 1306							
COMSEC 0363	MONTH 04	SHIP EV	NET BULS 05.1	34 1 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2							
LAT 44 51.0N	DAY 03	DATA USE 1	BAROMETR 1009.9	SEA	WIND-FOR 26	DURATION 00.2	2 SQUARE 40							
LONG 146 09.0W	HOUR 14.7	AREA 05	CLOUD 7/A	CL/TP	WEATHER 26	ORIG 011 059 12	1 SQUARE 40							
CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	STC	00000	03.32	33.27	26.50	00.000	1441.6							
	OBS	00001	03.32	33.27	26.50		1441.7							
	OBS	00005	03.16	33.17	26.43		1440.9							
	STD	00010	03.31	33.20	26.44	00.016	1441.7							
	OBS	00015	03.49	33.26	26.48		1442.6							
	OBS	00019	02.79	33.33	26.59		1459.7							
	STD	00020	02.77	33.33	26.60	00.031	1459.7							
	OBS	00020	02.75	33.33	26.60		1459.6							
	STD	00030	02.68	33.34	26.61	00.045	1459.4							
	OBS	00034	02.64	33.36	26.63		1459.4							
	OBS	00038	02.75	33.38	26.64		1460.0							
	STD	00050	02.50	33.36	26.64	00.074	1459.0							
	OBS	00051	02.46	33.36	26.65		1459.9							
	OBS	00074	01.72	34.03	27.24		1456.9							
	STD	00075	01.81	34.08	27.27	00.102	1457.4							
	OBS	00075	02.19	34.22	27.35		1456.3							
	OBS	00081	02.28	34.19	27.32		1459.7							
	OBS	00093	01.56	34.18	27.37		1456.7							
	OBS	00095	01.55	34.21	27.39		1456.8							
	STD	00100	01.64	34.26	27.42	00.120	1457.4							
	OBS	00102	01.70	34.27	27.43		1457.6							
	OBS	00108	01.74	34.27	27.43		1457.9							
	OBS	00116	02.35	34.36	27.45		1460.8							
	OBS	00121	02.37	34.41	27.49		1461.1							
	STD	00125	02.01	34.41	27.52	00.136	1459.5							
	OBS	00125	01.98	34.41	27.52		1459.4							
	OBS	00131	02.42	34.45	27.52		1461.5							
	OBS	00144	02.37	34.49	27.56		1461.6							
	STD	00150	03.07	34.57	27.56	00.150	1464.8							
	OBS	00152	03.46	34.62	27.56		1466.6							
	OBS	00177	03.80	34.69	27.58		1468.5							
	OBS	00199	04.27	34.80	27.62		1471.0							
	STD	00200	04.27	34.80	27.62	00.176	1471.0							
	OBS	00207	04.04	34.76	27.61		1470.1							
	OBS	00226	04.38	34.86	27.66		1472.0							
	STD	00250	04.53	34.87	27.65	00.200	1473.0							
	OBS	00251	04.54	34.87	27.65		1473.1							
	OBS	00270	04.72	34.90	27.65		1474.2							
	OBS	00272	04.45	34.85	27.64		1473.0							
	OBS	00276	04.39	34.85	27.65		1472.8							
	OBS	00281	04.34	34.85	27.65		1472.7							
	OBS	00295	03.20	34.68	27.63		1467.5							
	OBS	00297	03.01	34.70	27.67		1467.1							
	STD	00300	03.01	34.70	27.67	00.224	1467.2							
	OBS	00304	03.02	34.71	27.67		1467.3							
	OBS	00325	03.53	34.78	27.68		1465.9							
	OBS	00329	03.78	34.86	27.72		1471.2							
	OBS	00352	04.20	34.92	27.72		1473.4							
	OBS	00363	06.09	34.88	27.70		1473.1							
	STD	00400	04.23	34.92	27.72	00.268	1474.3							
	OBS	00401	04.23	34.92	27.72		1474.3							
	OBS	00451	04.25	34.94	27.73		1475.3							
	STD	00500	03.86	34.89	27.73	00.310	1476.4							
	OBS	00500	03.86	34.89	27.73		1476.4							
	OBS	00550	03.43	34.92	27.75		1475.5							
	STD	00600	03.44	34.93	27.76	00.352	1476.4							
	OBS	00601	03.44	34.93	27.76		1476.4							
	OBS	00651	03.45	34.94	27.77		1477.3							
	STD	00700	03.99	34.95	27.77	00.392	1478.3							
	OBS	00700	03.99	34.95	27.77		1478.3							
	OBS	00750	03.95	34.94	27.77		1479.0							
	STD	00800	03.87	34.93	27.77	00.433	1479.4							
	OBS	00805	03.86	34.93	27.77		1479.5							
	OBS	00852	03.78	34.93	27.77		1479.9							
	STD	00900	03.70	34.91	27.77	00.475	1480.4							
	OBS	00900	03.70	34.91	27.77		1480.4							
	OBS	00955	03.60	34.90	27.77		1480.5							
	STD	01000	03.52	34.89	27.77	00.517	1481.2							
	OBS	01001	03.52	34.89	27.77		1481.3							
	OBS	01060	03.53	34.90	27.78		1482.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 8443	YEAR 1975	SDTOP 03140	AIR TEMP 04.2	DIR HGT PER 32 2 2	WIND-DIR 32	INST STO RECORDER	TEN SO 1304								
CONSID 3381	MONTH 06	S-IP EV	NET BULB 05.8	SEA 32 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2								
LA" 4- 51.3N	DAY 03	DATA USE 1	BAROMETR 1009.0	CL/TR	WIND-FOR	DURATION 00.5	2 SQUARE 46								
LONG 047 56.0W	MOOR 16.3	AREA 05	CLOUD T/A		WEATHER X4	ORIG 011 060 11	1 SQUARE 47								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	AC2	NO3	SIO3	PH	
16.3	OBS	00006	04.00	33.27	26.43		1464.7								
	STD	00010	04.00	33.27	26.43		1464.7								
	OBS	00015	03.98	33.26	26.43		1464.7								
	STD	00020	03.97	33.26	26.43		1464.7								
	OBS	00022	03.97	33.26	26.43		1464.8								
	OBS	00024	03.94	33.27	26.45		1464.3								
	OBS	00026	02.67	33.27	26.56		1459.3								
	OBS	00028	02.30	33.36	26.66		1457.8								
	STD	00030	02.31	33.36	26.66		1457.9								
	OBS	00032	02.32	33.37	26.66		1458.0								
	STD	00050	02.30	33.43	26.72		1458.3								
	OBS	00055	02.30	33.48	26.75		1458.4								
	STD	00075	01.72	33.86	27.10		1456.7								
	OBS	00081	01.56	33.94	27.18		1456.2								
	STD	00100	01.22	34.00	27.25		1455.1								
	OBS	00100	01.22	34.00	27.25		1455.1								
	OBS	00108	01.28	34.05	27.29		1455.6								
	OBS	00112	01.65	34.15	27.34		1457.4								
	OBS	00123	01.96	34.20	27.36		1459.0								
	STD	00125	01.83	34.21	27.37		1458.5								
	OBS	00125	01.78	34.21	27.38		1458.3								
	STD	00150	01.69	34.30	27.46		1458.4								
	OBS	00150	01.69	34.30	27.46		1458.4								
	OBS	00173	02.01	34.39	27.50		1460.3								
	OBS	00175	02.53	34.44	27.50		1462.7								
	OBS	00182	02.09	34.44	27.54		1460.9								
	STD	00200	02.32	34.50	27.56		1462.3								
	OBS	00201	02.37	34.50	27.56		1462.5								
	OBS	00205	02.48	34.51	27.56		1463.1								
	OBS	00213	03.31	34.64	27.59		1467.0								
	OBS	00228	03.46	34.66	27.59		1467.9								
	OBS	00232	03.96	34.75	27.61		1470.2								
	STD	00250	03.41	34.67	27.61		1468.0								
	OBS	00251	03.35	34.67	27.61		1468.0								
	OBS	00262	03.27	34.69	27.63		1467.7								
	OBS	00272	03.71	34.74	27.63		1469.6								
	OBS	00276	03.87	34.79	27.65		1470.4								
	STD	00300	04.29	34.85	27.66		1472.8								
	OBS	00300	04.30	34.85	27.66		1472.6								
	OBS	00350	04.46	34.91	27.69		1474.4								
	STD	00400	04.63	34.96	27.71		1476.0								
	OBS	00401	04.63	34.96	27.71		1476.0								
	OBS	00451	04.54	34.97	27.73		1476.5								
	STD	00500	04.29	34.95	27.74		1476.3								
	OBS	00502	04.28	34.95	27.74		1476.2								
	OBS	00550	04.12	34.94	27.75		1476.4								
	STD	00600	03.50	34.92	27.76		1476.2								
	OBS	00603	03.89	34.92	27.76		1476.2								
	OBS	00652	03.82	34.91	27.75		1476.8								
	STD	00700	03.96	34.94	27.76		1478.2								
	OBS	00700	03.96	34.94	27.76		1478.2								
	OBS	00750	03.89	34.93	27.76		1478.7								
	STD	00800	03.81	34.92	27.76		1479.2								
	OBS	00801	03.81	34.92	27.76		1479.2								
	OBS	00852	03.72	34.91	27.77		1479.7								
	STD	00900	03.62	34.90	27.77		1480.0								
	OBS	00900	03.62	34.90	27.77		1480.0								
	OBS	00953	03.78	34.93	27.77		1481.4								
	STD	01000	03.64	34.91	27.77		1481.8								
	OBS	01003	03.64	34.91	27.77		1481.8								
	OBS	01054	03.70	34.92	27.78		1483.0								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFIC 31 0463	YEAR 1975	BOTOP 03423	AIR TEMP 07.4	DIR HGT PER	WIND-DIR 33	INST STC RECORDER	TEN SQ 1300							
CONSEC 0082	MONTH 04	SHIP EV	WET BULB 07.0	33 2 2	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2							
LAT 44 51.9N	DAY 03	DATA USE 1	BAROMETER 1005.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 147 43.1W	MOOR 18.3	AREA 05	CLOUD T/A	CL/T/A	WEATHER X4	DRG 011 061 10	1 SQUARE 47							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIG3	PH
18.3	STD	00000	05.24	33.67	26.62	00.000	1470.2							
	OBS	00003	05.24	33.67	26.62		1470.3							
	STD	00010	05.31	33.71	26.64	00.014	1470.7							
	OBS	00015	05.37	33.74	26.66		1471.1							
	STD	00020	06.15	33.98	26.75	00.028	1474.7							
	OBS	00020	06.26	34.01	26.76		1475.2							
	STD	00030	06.72	34.15	26.81	00.041	1477.3							
	OBS	00030	06.76	34.16	26.81		1477.5							
	OBS	00034	07.14	34.19	26.78		1479.1							
	OBS	00043	07.38	34.30	26.84		1480.3							
	STD	00050	07.98	34.44	26.85	00.065	1482.5							
	OBS	00053	08.26	34.50	26.86		1484.1							
	OBS	00059	08.67	34.60	26.88		1485.5							
	STD	00075	08.71	34.61	26.88	00.055	1486.3							
	OBS	00076	08.71	34.61	26.88		1486.4							
	OBS	00081	08.71	34.60	26.87		1486.4							
	OBS	00085	05.31	34.04	26.90		1472.4							
	OBS	00087	04.17	33.95	26.96		1467.6							
	OBS	00093	03.85	33.96	26.99		1466.5							
	OBS	00095	03.80	33.93	26.98		1466.1							
	OBS	00095	03.50	33.52	27.00		1464.5							
	STD	00100	03.13	33.87	27.00	00.124	1463.3							
	OBS	00102	02.29	33.81	27.02		1459.6							
	OBS	00104	01.87	33.83	27.07		1457.8							
	OBS	00106	01.85	33.82	27.06		1457.8							
	OBS	00114	01.60	33.80	27.06		1456.7							
	OBS	00118	01.17	33.83	27.12		1454.5							
	OBS	00119	01.07	33.82	27.11		1454.5							
	STD	00125	01.17	33.84	27.12	00.145	1455.0							
	OBS	00129	01.34	33.91	27.17		1456.0							
	OBS	00131	01.44	33.96	27.20		1456.5							
	OBS	00135	01.73	33.96	27.18		1457.5							
	OBS	00144	01.81	34.04	27.24		1458.5							
	OBS	00146	01.57	34.03	27.25		1457.4							
	STD	00150	01.53	34.05	27.27	00.171	1457.4							
	OBS	00150	01.53	34.05	27.27		1457.4							
	OBS	00159	01.55	34.05	27.27		1457.6							
	OBS	00161	01.27	34.04	27.28		1456.4							
	OBS	00173	01.44	34.13	27.34		1457.4							
	OBS	00177	01.44	34.12	27.33		1457.5							
	OBS	00194	01.60	34.21	27.39		1458.6							
	OBS	00198	01.89	34.24	27.39		1460.0							
	STD	00200	02.33	34.31	27.42	00.205	1462.0							
	OBS	00201	02.58	34.35	27.43		1463.2							
	OBS	00205	02.67	34.36	27.43		1463.7							
	OBS	00213	03.45	34.45	27.43		1467.3							
	OBS	00226	03.49	34.50	27.46		1467.8							
	OBS	00247	03.91	34.61	27.51		1470.0							
	STD	00250	04.06	34.64	27.52	00.241	1470.7							
	OBS	00255	04.30	34.70	27.54		1471.5							
	OBS	00276	04.38	34.71	27.54		1472.6							
	STD	00300	04.27	34.72	27.56	00.270	1472.6							
	OBS	00300	04.27	34.72	27.56		1472.6							
	OBS	00333	04.54	34.79	27.58		1474.3							
	OBS	00344	04.27	34.74	27.57		1473.3							
	OBS	00348	04.97	34.92	27.64		1476.5							
	OBS	00352	05.02	34.91	27.62		1476.8							
	OBS	00359	05.20	34.93	27.62		1477.7							
	OBS	00369	05.00	34.92	27.63		1477.0							
	OBS	00376	05.12	34.95	27.64		1477.6							
	OBS	00386	04.77	34.86	27.63		1476.3							
	OBS	00395	04.38	34.82	27.62		1474.7							
	STD	00400	04.16	34.81	27.64	00.324	1473.9							
	OBS	00411	03.86	34.80	27.66		1472.8							
	OBS	00422	03.98	34.82	27.67		1473.5							
	OBS	00434	04.76	34.65	27.68		1477.1							
	OBS	00437	05.02	34.55	27.69		1478.3							
	OBS	00451	05.09	35.00	27.69		1478.8							
	OBS	00458	05.32	35.04	27.69		1479.5							
	OBS	00453	04.77	34.56	27.69		1478.1							
	OBS	00458	04.45	34.90	27.68		1476.8							
	STD	00500	04.43	34.90	27.68	00.373	1476.7							
	OBS	00504	04.36	34.51	27.70		1476.6							
	OBS	00536	04.61	34.96	27.71		1478.2							
	OBS	00552	04.47	34.95	27.72		1477.5							
	STD	00600	04.22	34.93	27.73	00.418	1477.6							
	OBS	00605	04.22	34.93	27.73		1477.7							
	OBS	00651	04.38	34.97	27.74		1479.2							
	STD	00700	04.45	34.59	27.75	00.461	1480.3							
	OBS	00700	04.45	34.59	27.75		1480.3							
	OBS	00753	04.12	34.94	27.75		1479.7							
	STD	00800	04.04	34.94	27.76	00.504	1480.2							
	OBS	00809	04.02	34.94	27.76		1480.2							
	OBS	00854	03.51	34.93	27.76		1480.5							
	STD	00900	03.87	34.93	27.77	00.547	1481.1							
	OBS	00902	03.87	34.93	27.77		1481.1							
	OBS	00951	03.80	34.92	27.76		1481.7							
	STD	01000	03.78	34.92	27.77	00.590	1482.4							
	OBS	01001	03.78	34.92	27.77		1482.4							
	OBS	01056	03.75	34.92	27.77		1483.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 03457	AIR TEMP 05.5	DIR HGT PER 35 1 2	WIND-DIR 35	INST STD RECORDER	TEN 50 1306
CONSEC 0083	MONTH 06	SHIP EV	MET BULB 05.3	SEA 35 1 2	WIND-SPD 05	TRACE DIR	5 SQUARE 2
LA 44 33.4N	DAY 03	DATA USE 1	BAROMETR 1009.8	CL/TR	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 40.8W	HOOR 20.9	AREA 05	CLOUD T/A		WEATHER X4	ORIG 011 062 10	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	STD	00000	08.80	34.49	26.77	00.000	1485.3							
	OBS	00003	08.80	34.49	26.77		1485.4							
	STD	00010	08.80	34.49	26.77	00.013	1485.5							
	OBS	00011	08.80	34.49	26.77		1485.5							
	STD	00020	08.78	34.49	26.78	00.026	1485.6							
	OBS	00020	08.78	34.50	26.78		1485.6							
	STD	00030	09.19	34.66	26.84	00.038	1487.5							
	OBS	00032	09.28	34.70	26.86		1487.9							
	OBS	00041	09.55	34.82	26.91		1489.2							
	OBS	00045	09.88	34.87	26.89		1490.5							
	STD	00050	09.96	34.91	26.91	00.062	1490.9							
	OBS	00055	10.05	34.95	26.92		1491.4							
	OBS	00057	10.80	35.11	26.92		1494.3							
	OBS	00064	11.09	35.22	26.95		1495.6							
	OBS	00066	11.49	35.33	26.96		1497.2							
	OBS	00072	11.53	35.31	26.94		1497.4							
	STD	00075	11.61	35.33	26.94	00.091	1497.8							
	OBS	00081	11.80	35.39	26.95		1498.6							
	STD	00100	12.27	35.52	26.95	00.116	1500.7							
	OBS	00104	12.33	35.53	26.95		1501.0							
	STD	00125	12.24	35.50	26.95	00.148	1501.0							
	OBS	00125	12.24	35.50	26.95		1501.0							
	STD	00150	12.00	35.51	27.00	00.176	1500.6							
	OBS	00150	12.00	35.51	27.00		1500.6							
	OBS	00177	11.83	35.49	27.02		1500.4							
	STD	00200	11.08	35.37	27.07	00.230	1498.0							
	OBS	00201	11.02	35.36	27.07		1497.8							
	OBS	00226	10.07	35.15	27.08		1494.5							
	OBS	00236	09.26	35.06	27.14		1491.6							
	OBS	00237	09.19	35.08	27.15		1491.4							
	OBS	00247	08.31	34.92	27.18		1488.1							
	STD	00250	08.31	34.93	27.19	00.280	1488.1							
	OBS	00255	08.32	34.95	27.21		1488.3							
	OBS	00260	08.75	35.06	27.22		1490.1							
	OBS	00277	08.66	35.07	27.25		1490.1							
	STD	00300	08.73	35.11	27.27	00.325	1490.7							
	OBS	00300	08.73	35.11	27.27		1490.8							
	OBS	00344	08.24	35.04	27.29		1489.5							
	OBS	00346	07.59	34.94	27.31		1487.0							
	OBS	00354	07.47	34.93	27.32		1486.6							
	OBS	00363	07.03	34.89	27.35		1485.0							
	OBS	00371	06.45	34.84	27.38		1482.9							
	OBS	00380	06.58	34.88	27.40		1483.5							
	OBS	00382	06.36	34.88	27.43		1482.7							
	OBS	00390	06.33	34.86	27.42		1482.6							
	OBS	00392	06.02	34.79	27.41		1481.3							
	OBS	00396	05.79	34.78	27.43		1480.5							
	STD	00400	05.76	34.78	27.43	00.404	1480.4							
	OBS	00407	05.21	34.76	27.48		1478.3							
	OBS	00447	04.57	34.79	27.53		1478.0							
	OBS	00451	04.61	34.73	27.53		1476.5							
	OBS	00487	04.50	34.83	27.62		1476.7							
	OBS	00498	05.42	34.96	27.61		1480.6							
	STD	00500	05.44	34.97	27.62	00.467	1481.0							
	OBS	00502	05.47	34.98	27.62		1481.2							
	OBS	00523	05.52	34.95	27.63		1481.7							
	OBS	00533	05.36	34.97	27.63		1481.2							
	OBS	00552	05.50	35.03	27.66		1482.2							
	OBS	00574	05.67	35.07	27.67		1483.3							
	STD	00600	05.42	35.08	27.71	00.518	1482.7							
	OBS	00601	05.41	35.08	27.71		1482.7							
	OBS	00652	05.18	35.02	27.69		1482.5							
	STD	00700	04.92	35.04	27.74	00.565	1482.3							
	OBS	00702	04.91	35.04	27.74		1482.3							
	OBS	00750	04.72	35.01	27.74		1482.3							
	STD	00800	04.55	35.00	27.75	00.610	1482.4							
	OBS	00801	04.55	35.00	27.75		1482.4							
	OBS	00850	04.45	35.00	27.76		1482.8							
	STD	00900	04.34	34.99	27.76	00.654	1483.2							
	OBS	00900	04.34	34.99	27.76		1483.2							
	OBS	00951	04.04	34.94	27.76		1482.7							
	STD	01000	03.96	34.94	27.76	00.698	1483.1							
	OBS	01003	03.95	34.94	27.77		1483.2							
	OBS	01045	03.80	34.92	27.78		1483.6							

UNCLASSIFIED

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
PEPIC 31 8463	YEAR 1975	BOTDP 02613	AIR TEMP 08.9	DIR AGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1304							
CONSEC 0084	MONTH 06	SHIP EV	WET BULB 08.1	08 0 2	WIND-SPD 14	TRACE DIR	5 SQUARE 2							
LAT 44 20.1N	DAY 03	DATA USE 1	BAROMETER 1008.4	SEA	WIND-FOR	00.5	2 SQUARE 46							
LONG 047 41.8W	HOUR 23.1	AREA 05	CLOUD T/A	CL/TP	WEATHER X2	DRIG C11 863	1 SQUARE 47							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.1	STD	00000	06.79	33.86	26.57	00.000	1476.7							
	OBS	00001	06.75	33.86	26.57		1476.8							
	STD	00010	06.79	33.85	26.56	00.015	1476.9							
	OBS	00013	06.79	33.85	26.56		1476.9							
	STD	00020	06.70	33.85	26.58	00.030	1476.7							
	OBS	00020	06.69	33.85	26.58		1476.7							
	OBS	00028	07.19	34.06	26.67		1479.0							
	STD	00030	09.45	34.74	26.86	00.043	1488.7							
	OBS	00030	10.21	34.96	26.90		1491.6							
	OBS	00043	10.81	35.12	26.92		1494.2							
	OBS	00049	10.84	35.16	26.95		1494.4							
	STD	00050	10.89	35.17	26.95	00.066	1494.6							
	OBS	00053	11.14	35.24	26.95		1495.7							
	STD	00075	11.34	35.27	26.94	00.095	1496.8							
	OBS	00076	11.36	35.27	26.94		1496.8							
	STD	00100	11.87	35.45	26.98	00.123	1499.2							
	OBS	00100	11.88	35.45	26.98		1499.3							
	STD	00125	11.95	35.49	27.00	00.151	1500.0							
	OBS	00125	11.95	35.45	27.00		1500.0							
	OBS	00133	11.90	35.48	27.00		1499.9							
	STD	00150	11.31	35.40	27.05	00.178	1498.1							
	OBS	00150	11.30	35.40	27.05		1498.0							
	OBS	00169	10.61	35.24	27.05		1495.7							
	OBS	00175	10.13	35.18	27.09		1494.0							
	OBS	00188	09.82	35.17	27.13		1493.0							
	STD	00200	08.91	35.01	27.16	00.228	1489.6							
	OBS	00201	08.85	35.00	27.16		1489.5							
	OBS	00207	08.83	34.98	27.15		1489.4							
	OBS	00228	08.01	34.87	27.19		1486.5							
	OBS	00236	08.03	34.91	27.22		1486.8							
	STD	00250	08.26	34.98	27.24	00.274	1488.0							
	OBS	00253	08.30	34.99	27.24		1488.2							
	OBS	00258	08.37	35.01	27.25		1488.6							
	OBS	00266	07.56	34.85	27.24		1485.4							
	OBS	00277	07.15	34.80	27.26		1483.5							
	STD	00300	07.48	34.96	27.34	00.316	1485.8							
	OBS	00308	07.60	34.97	27.33		1486.4							
	OBS	00321	07.25	34.94	27.35		1485.4							
	OBS	00344	06.96	34.95	27.41		1484.5							
	OBS	00357	05.93	34.81	27.43		1480.4							
	STD	00400	05.27	34.77	27.48	00.386	1478.4							
	OBS	00401	05.16	34.75	27.48		1477.9							
	OBS	00403	05.02	34.72	27.47		1477.4							
	OBS	00413	04.59	34.66	27.47		1475.7							
	OBS	00453	04.70	34.79	27.56		1477.0							
	STD	00500	04.69	34.82	27.55	00.450	1477.7							
	OBS	00502	04.65	34.82	27.59		1477.8							
	OBS	00510	04.57	34.82	27.60		1477.4							
	OBS	00515	04.81	34.88	27.62		1478.4							
	OBS	00546	04.88	34.91	27.64		1479.4							
	OBS	00553	04.68	34.86	27.65		1478.7							
	OBS	00555	04.72	34.90	27.65		1478.9							
	OBS	00563	05.06	34.95	27.65		1480.5							
	STD	00600	05.27	35.00	27.67	00.504	1482.0							
	OBS	00605	05.27	35.01	27.67		1482.2							
	OBS	00656	04.57	34.95	27.65		1481.7							
	STD	00700	04.44	34.93	27.70	00.553	1480.1							
	OBS	00706	04.38	34.92	27.70		1480.0							
	OBS	00750	04.11	34.90	27.72		1479.6							
	STD	00800	04.07	34.91	27.73	00.600	1480.3							
	OBS	00801	04.07	34.91	27.73		1480.3							
	OBS	00850	04.14	34.94	27.75		1481.4							
	STD	00900	03.58	34.91	27.74	00.645	1481.5							
	OBS	00900	03.58	34.91	27.74		1481.5							
	OBS	00951	03.90	34.91	27.75		1482.1							
	STD	01000	03.86	34.91	27.75	00.650	1482.7							
	OBS	01001	03.86	34.91	27.75		1482.7							
	OBS	01050	03.82	34.91	27.75		1483.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
PSFID 31 8463	YEAR 1975	BOTOP 03103	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306							
CONSEC 0085	MONTH 06	SHIP EV	WET BULB 07.7	35 2 2	WIND-SPD 12	TRACE DIR C	5 SQUARE 2							
LAT 44 05.2N	DAY 04	DATA USE 1	BAROMETR 1008.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 047 41.0W	HOUR 01.6	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 864	1 SQUARE 47							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.38	33.57	26.71	00.000	1475.2							
01.6	OBS	00001	06.38	33.57	26.71		1475.3							
	CBS	00007	06.38	33.56	26.70		1475.4							
	STD	00010	06.38	33.56	26.71	00.013	1475.4							
	OBS	00015	06.38	33.57	26.71		1475.5							
	STD	00020	06.48	34.03	26.74	00.027	1476.0							
	OBS	00024	06.57	34.08	26.77		1476.5							
	OBS	00026	07.44	34.38	26.89		1480.4							
	STD	00030	08.57	34.62	26.91	00.035	1485.1							
	OBS	00034	10.07	34.94	26.91		1481.2							
	STD	00050	10.24	34.98	26.91	00.062	1492.1							
	OBS	00055	10.27	34.98	26.91		1492.2							
	OBS	00070	10.14	34.94	26.92		1492.0							
	OBS	00072	09.75	34.84	26.89		1490.5							
	STD	00075	08.95	34.69	26.90	00.092	1487.3							
	OBS	00076	08.70	34.65	26.91		1486.4							
	OBS	00081	08.14	34.61	26.87		1484.3							
	OBS	00085	08.28	34.64	26.87		1484.5							
	OBS	00086	07.33	34.50	27.00		1481.2							
	OBS	00095	06.70	34.54	27.12		1478.8							
	STD	00100	06.54	34.54	27.14	00.118	1478.3							
	OBS	00100	06.51	34.54	27.14		1478.2							
	STD	00125	06.36	34.58	27.19	00.141	1478.0							
	OBS	00125	06.36	34.58	27.20		1478.0							
	STD	00150	06.39	34.65	27.25	00.163	1478.6							
	OBS	00150	06.39	34.65	27.25		1478.6							
	OBS	00175	06.38	34.65	27.28		1479.1							
	STD	00200	06.32	34.74	27.33	00.204	1479.3							
	OBS	00203	06.31	34.75	27.34		1479.3							
	OBS	00226	06.47	34.82	27.37		1480.4							
	OBS	00241	06.74	34.89	27.39		1481.9							
	OBS	00247	06.42	34.84	27.35		1480.6							
	STD	00250	06.42	34.84	27.35	00.242	1480.7							
	OBS	00253	06.42	34.84	27.39		1480.7							
	OBS	00257	06.36	34.84	27.40		1480.5							
	OBS	00260	06.38	34.84	27.40		1480.7							
	OBS	00270	06.11	34.80	27.40		1479.7							
	OBS	00274	05.65	34.81	27.43		1479.2							
	OBS	00277	05.57	34.87	27.47		1479.4							
	OBS	00281	06.30	34.91	27.46		1480.8							
	OBS	00289	06.52	34.95	27.47		1481.8							
	STD	00300	06.16	34.86	27.45	00.278	1480.5							
	OBS	00300	06.14	34.86	27.45		1480.4							
	OBS	00306	06.04	34.85	27.45		1480.1							
	OBS	00312	05.70	34.84	27.45		1478.8							
	OBS	00352	05.78	34.92	27.54		1479.5							
	STD	00400	05.30	34.91	27.55	00.340	1478.7							
	OBS	00401	05.29	34.91	27.55		1478.7							
	OBS	00453	05.00	34.94	27.65		1478.4							
	STD	00500	05.05	34.98	27.67	00.393	1479.6							
	OBS	00506	05.10	34.98	27.67		1479.7							
	OBS	00555	04.88	34.98	27.65		1479.7							
	STD	00600	04.77	34.98	27.71	00.441	1479.5							
	OBS	00601	04.77	34.98	27.71		1480.0							
	OBS	00652	04.77	35.01	27.73		1480.9							
	STD	00700	04.56	34.99	27.74	00.486	1480.7							
	OBS	00704	04.55	34.99	27.74		1480.8							
	OBS	00753	04.50	34.99	27.75		1481.4							
	STD	00800	04.42	34.99	27.75	00.530	1481.8							
	OBS	00803	04.41	34.99	27.76		1481.8							
	OBS	00852	04.29	34.97	27.75		1482.1							
	STD	00900	04.13	34.95	27.76	00.574	1482.2							
	OBS	00902	04.12	34.95	27.76		1482.2							
	OBS	00955	04.07	34.95	27.76		1482.5							
	STD	01000	03.95	34.94	27.76	00.618	1483.3							
	OBS	01007	03.98	34.94	27.76		1483.4							
	OBS	01048	03.93	34.94	27.77		1483.9							
	OBS	01060	03.93	34.94	27.77		1484.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA															
REFID 31 8-43	YEAR 1975	BDTDP 03862	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEM SO 1306								
CONSEC 0386	MONTH 06	SHIP EV	WET BULB 06.9	23 0 2	WIND-SPD 16	TRACE CIR	5 SQUARE 2								
LAT 43 31.0N	DAY 04	DATA USE 1	BAROMETER 1010.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26								
LONG 047 40.0W	HOURL 03.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 865	1 SQUARE 37								
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH	
03.8	STD	00000	06.51	33.86	26.61	00.000	1475.6								
	OBS	00003	06.51	33.86	26.61		1475.7								
	STD	00010	06.51	33.86	26.61	00.014	1475.8								
	OBS	00015	06.51	33.86	26.61		1475.9								
	STD	00020	07.85	34.32	26.78	00.028	1481.8								
	OBS	00020	08.02	34.38	26.80		1482.5								
	STD	00030	08.10	34.41	26.82	00.041	1483.0								
	OBS	00030	08.10	34.41	26.82		1483.0								
	OBS	00047	08.23	34.45	26.83		1483.5								
	STD	00050	07.71	34.42	26.88	00.065	1481.5								
	OBS	00051	07.49	34.41	26.91		1481.0								
	OBS	00060	07.76	34.52	26.95		1482.4								
	OBS	00062	07.12	34.41	26.96		1479.8								
	OBS	00066	06.50	34.44	27.01		1479.0								
	OBS	00068	07.20	34.52	27.03		1480.3								
	OBS	00074	06.59	34.46	27.07		1477.9								
	STD	00075	06.53	34.46	27.08	00.092	1477.7								
	OBS	00076	06.47	34.47	27.09		1477.5								
	OBS	00081	06.69	34.57	27.14		1478.6								
	OBS	00095	06.65	34.54	27.13		1478.6								
	OBS	00095	06.09	34.46	27.14		1476.4								
	STD	00100	06.06	34.46	27.14	00.117	1476.3								
	OBS	00102	05.95	34.47	27.16		1476.0								
	STD	00125	06.25	34.57	27.20	00.140	1477.6								
	OBS	00125	06.26	34.57	27.20		1477.6								
	OBS	00129	06.23	34.59	27.22		1477.6								
	STD	00150	06.34	34.64	27.25	00.162	1478.4								
	OBS	00152	06.35	34.65	27.25		1478.5								
	OBS	00175	06.20	34.69	27.30		1478.3								
	OBS	00182	06.11	34.69	27.31		1478.1								
	OBS	00196	06.26	34.73	27.33		1479.0								
	STD	00200	06.02	34.71	27.34	00.202	1476.1								
	OBS	00201	05.54	34.70	27.34		1477.8								
	OBS	00207	05.81	34.70	27.36		1477.3								
	OBS	00215	06.04	34.75	27.37		1478.4								
	OBS	00226	05.88	34.74	27.38		1478.0								
	OBS	00232	05.81	34.74	27.35		1477.6								
	OBS	00234	05.45	34.70	27.41		1476.3								
	STD	00250	05.14	34.68	27.43	00.235	1475.3								
	OBS	00253	05.09	34.68	27.43		1475.1								
	OBS	00266	04.88	34.68	27.46		1474.5								
	OBS	00274	04.68	34.68	27.48		1473.8								
	OBS	00276	04.68	34.68	27.48		1473.8								
	OBS	00285	04.25	34.65	27.50		1472.1								
	OBS	00297	04.36	34.69	27.52		1472.8								
	STD	00300	04.48	34.70	27.52	00.271	1473.4								
	OBS	00302	04.57	34.71	27.52		1473.8								
	OBS	00316	04.67	34.75	27.54		1474.5								
	OBS	00319	04.25	34.71	27.55		1472.9								
	OBS	00354	04.20	34.74	27.58		1473.2								
	OBS	00365	04.84	34.68	27.62		1476.3								
	OBS	00384	04.72	34.85	27.61		1476.0								
	OBS	00392	04.45	34.82	27.62		1475.0								
	STD	00400	04.40	34.82	27.62	00.328	1474.5								
	OBS	00401	04.39	34.82	27.62		1474.5								
	OBS	00434	04.38	34.84	27.64		1475.4								
	OBS	00439	04.63	34.90	27.66		1476.6								
	OBS	00451	04.57	34.92	27.68		1476.6								
	OBS	00456	04.77	34.95	27.68		1477.5								
	OBS	00475	04.81	34.95	27.68		1478.0								
	OBS	00477	04.97	34.97	27.68		1478.7								
	STD	00500	04.81	34.96	27.69	00.377	1478.4								
	OBS	00500	04.81	34.96	27.69		1478.4								
	OBS	00550	04.70	34.97	27.71		1478.8								
	STD	00600	04.66	34.98	27.72	00.424	1475.5								
	OBS	00601	04.66	34.98	27.72		1479.5								
	OBS	00651	04.39	34.96	27.73		1476.2								
	STD	00700	04.32	34.96	27.74	00.468	1479.7								
	OBS	00702	04.32	34.96	27.74		1479.7								
	OBS	00751	04.25	34.98	27.75		1480.3								
	STD	00800	04.22	34.96	27.75	00.512	1480.9								
	OBS	00803	04.21	34.96	27.75		1481.0								
	OBS	00850	04.09	34.95	27.76		1481.2								
	STD	00900	04.01	34.94	27.76	00.556	1481.7								
	OBS	00906	04.03	34.94	27.76		1481.8								
	OBS	00951	03.96	34.94	27.76		1482.4								
	STD	01000	03.90	34.93	27.76	00.559	1482.9								
	OBS	01003	03.85	34.93	27.76		1482.5								
	OBS	01014	03.84	34.92	27.76		1482.9								
	OBS	01050	03.85	34.93	27.77		1483.5								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOYD 03651	AIR TEMP 07.8	DIA PGT PER 32 0 3	WIND-DIR 32	INST SYC RECORDER	TEN SO 1306
CONSEC 0387	MONTH 06	5-1P EV	WET BULB 07.5	SEA	WIND-SPD 18	TRACE DIR 0	5 SQUARE 2
LAT 43 50.3N	DAY 04	DATA USE 1	BAROMETR 1010.5	CL/TS	WIND-FOR X2	DURATION 00.3	2 SQUARE 26
LONG 047 56.0W	HOUR 05.9	AREA 05	CLOUD T/A		WEATHER	ORIG 011 866	1 SQUARE 37

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DXVG	PD4	TOT P	NO2	NO3	SI03	PH
05.9	STD	C0C00	07.60	34.24	26.76	00.000	1480.4							
	OBS	00501	07.60	34.24	26.76		1480.4							
	STD	00010	07.60	34.24	26.76	00.013	1480.6							
	OBS	00011	07.60	34.24	26.76		1480.6							
	STD	00020	07.61	34.24	26.76	00.024	1480.8							
	OBS	00020	07.64	34.25	26.76		1480.9							
	OBS	00026	07.59	34.33	26.77		1482.5							
	STD	00030	07.57	34.35	26.79	00.039	1482.5							
	OBS	00032	07.56	34.36	26.80		1482.5							
	OBS	00034	08.44	34.51	26.84		1484.5							
	STD	00050	08.59	34.56	26.86	00.064	1485.4							
	OBS	00053	08.42	34.63	26.91		1485.7							
	OBS	00057	09.12	34.74	26.92		1487.8							
	OBS	00062	09.16	34.75	26.92		1488.0							
	OBS	00064	08.46	34.63	26.93		1485.3							
	OBS	00066	08.11	34.62	26.98		1483.9							
	STD	00075	07.73	34.58	27.00	00.052	1482.6							
	OBS	00076	07.67	34.57	27.01		1482.3							
	OBS	00078	07.55	34.56	27.02		1481.9							
	OBS	00085	06.54	34.46	27.08		1477.9							
	OBS	00093	06.35	34.45	27.09		1477.3							
	OBS	00095	05.65	34.41	27.15		1474.4							
	STD	C0100	05.65	34.42	27.16	00.118	1474.5							
	OBS	00100	05.65	34.42	27.16		1474.6							
	OBS	00119	05.61	34.51	27.24		1474.8							
	OBS	00121	05.44	34.46	27.22		1474.1							
	STD	00125	05.57	34.50	27.23	00.140	1474.7							
	OBS	00125	05.58	34.50	27.23		1474.8							
	OBS	00131	05.56	34.50	27.23		1474.8							
	STD	00150	05.08	34.46	27.26	00.161	1473.1							
	OBS	C0150	05.07	34.46	27.26		1473.1							
	OBS	00177	04.70	34.46	27.30		1472.0							
	OBS	00194	04.50	34.50	27.36		1471.5							
	OBS	00198	04.63	34.56	27.39		1472.2							
	STD	00200	04.95	34.62	27.40	00.200	1473.6							
	OBS	00203	05.41	34.70	27.41		1475.6							
	OBS	00222	05.04	34.63	27.40		1474.3							
	OBS	C0226	04.97	34.63	27.41		1474.1							
	STD	00250	05.09	34.73	27.47	00.234	1475.1							
	OBS	00257	05.22	34.76	27.48		1475.8							
	OBS	00266	05.47	34.80	27.48		1477.1							
	OBS	00276	05.22	34.76	27.48		1476.1							
	STD	00300	04.84	34.73	27.50	00.264	1474.6							
	OBS	00302	04.81	34.73	27.50		1474.9							
	OBS	00357	04.75	34.80	27.57		1475.6							
	STD	00400	04.58	34.81	27.59	00.325	1475.6							
	OBS	00401	04.57	34.83	27.61		1475.6							
	OBS	00403	04.76	34.86	27.61		1476.5							
	OBS	00451	04.43	34.83	27.63		1475.9							
	STD	00500	04.17	34.86	27.68	00.374	1475.6							
	OBS	00504	04.16	34.86	27.68		1475.7							
	OBS	00552	04.11	34.89	27.71		1476.3							
	STD	00600	04.11	34.90	27.72	00.422	1477.1							
	OBS	00601	04.11	34.90	27.72		1477.1							
	OBS	00654	04.27	34.95	27.74		1478.7							
	STD	C0700	04.22	34.95	27.74	00.466	1479.3							
	OBS	00702	04.21	34.95	27.75		1479.3							
	OBS	00750	03.98	34.92	27.75		1479.1							
	STD	00800	03.92	34.92	27.75	00.505	1479.6							
	OBS	00807	03.91	34.92	27.75		1479.7							
	OBS	00854	03.85	34.92	27.76		1480.3							
	STD	00900	03.84	34.92	27.76	00.552	1481.0							
	OBS	00902	03.84	34.92	27.76		1481.0							
	OBS	00951	03.80	34.92	27.76		1481.7							
	STD	01000	03.75	34.91	27.76	00.594	1482.2							
	OBS	01001	03.75	34.91	27.76		1482.3							
	OBS	01033	03.68	34.90	27.76		1482.5							
	OBS	01045	03.68	34.91	27.77		1482.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFIC 31 0423	YEAR 1975	BOTDP 03437	AIR TEMP 07.5	DIR 1-CT PER	WIND-DIR 31	INST STD RECORDER	TEN 50 1306							
CCNSEC 0388	MONTH 06	SHIP EV	WET BULB 07.5	34 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 2							
LA 43 50.2N	DAY 04	DATA USE 1	BAROMETER 1009.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28							
LONG 348 12.5W	MOOR 07.8	AREA 05	CLCUD T/A	CL/T/A	WEATHER X2	DRIS 011 867	1 SQUARE 38							
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.8	STD	00000	08.30	34.43	26.80	00.000	1483.3							
	OBS	00005	08.30	34.43	26.80		1483.4							
	STD	00010	08.30	34.43	26.80	00.013	1483.5							
	OBS	00015	08.30	34.44	26.81		1483.7							
	STD	00020	08.30	34.44	26.81	00.025	1483.7							
	STD	00030	08.29	34.46	26.82	00.038	1483.8							
	OBS	00038	08.29	34.47	26.83		1484.0							
	OBS	00045	08.26	34.48	26.85		1484.0							
	STD	00050	08.35	34.51	26.86	00.062	1484.4							
	OBS	00053	08.44	34.55	26.87		1484.5							
	OBS	00059	08.64	34.64	26.91		1485.9							
	OBS	00068	09.66	34.62	26.97		1490.2							
	OBS	00072	09.28	34.92	27.03		1488.8							
	OBS	00074	09.14	34.85	27.03		1488.3							
	STD	00075	08.50	34.79	27.05	00.090	1485.8							
	OBS	00076	07.70	34.66	27.07		1482.6							
	OBS	00091	06.44	34.45	27.08		1477.6							
	OBS	00093	06.45	34.59	27.19		1477.9							
	STD	00100	06.82	34.63	27.18	00.114	1479.5							
	OBS	00108	07.06	34.67	27.17		1480.6							
	OBS	00118	07.01	34.68	27.19	00.137	1480.6							
	STD	00125	06.43	34.67	27.20		1480.0							
	OBS	00133	06.61	34.65	27.22		1479.2							
	OBS	00140	07.22	34.80	27.25		1482.0							
	STD	00150	07.18	34.81	27.26	00.155	1482.0							
	OBS	00154	07.16	34.81	27.27		1482.0							
	OBS	00156	07.28	34.81	27.25		1482.5							
	OBS	00159	07.12	34.82	27.28		1481.9							
	OBS	00173	07.51	34.95	27.33		1483.8							
	OBS	00180	07.51	34.95	27.33		1483.9							
	OBS	00182	07.24	34.89	27.32		1482.8							
	OBS	00182	07.02	34.88	27.34		1482.1							
	OBS	00156	06.60	34.82	27.35		1480.5							
	STD	00200	06.46	34.80	27.36	00.195	1479.5							
	OBS	00203	06.33	34.79	27.36		1479.5							
	OBS	00215	06.02	34.82	27.43		1478.5							
	OBS	00217	06.29	34.86	27.43		1479.6							
	OBS	00226	06.04	34.80	27.41		1478.7							
	OBS	00230	05.40	34.71	27.42		1476.1							
	OBS	00247	04.82	34.68	27.46		1473.5							
	OBS	00249	04.77	34.67	27.46		1473.7							
	STD	00250	04.71	34.65	27.46	00.234	1473.4							
	OBS	00272	03.95	34.62	27.51		1470.6							
	OBS	00276	04.14	34.73	27.58		1471.6							
	OBS	00285	04.54	34.76	27.56		1473.5							
	OBS	00295	04.36	34.73	27.55		1472.9							
	STD	00300	04.48	34.80	27.59	00.264	1473.5							
	OBS	00300	04.50	34.80	27.55		1473.6							
	OBS	00304	04.56	34.78	27.57		1473.9							
	OBS	00314	03.77	34.70	27.59		1470.7							
	OBS	00324	03.86	34.75	27.62		1471.4							
	OBS	00333	04.04	34.77	27.62		1472.2							
	OBS	00338	04.51	34.85	27.63		1474.4							
	OBS	00352	04.45	34.83	27.62		1474.3							
	OBS	00365	04.27	34.81	27.63		1473.8							
	OBS	00367	03.64	34.73	27.63		1471.0							
	STD	00373	03.57	34.72	27.63		1470.8							
	OBS	00400	04.18	34.85	27.67	00.315	1474.0							
	OBS	00403	04.22	34.86	27.67		1474.2							
	OBS	00437	04.15	34.86	27.68		1474.5							
	OBS	00454	04.21	34.85	27.67		1475.0							
	OBS	00466	04.04	34.83	27.67		1474.5							
	STD	00500	04.05	34.87	27.70	00.361	1475.1							
	OBS	00500	04.05	34.87	27.70		1475.1							
	OBS	00550	04.12	34.92	27.73		1476.3							
	STD	00600	03.88	34.87	27.72	00.406	1476.1							
	OBS	00601	03.68	34.87	27.72		1476.1							
	OBS	00651	03.68	34.92	27.75		1477.4							
	STD	00700	04.13	34.95	27.75	00.445	1478.6							
	OBS	00704	04.14	34.95	27.75		1479.0							
	OBS	00750	03.95	34.92	27.75		1478.9							
	STD	00800	03.89	34.93	27.76	00.492	1479.5							
	OBS	00801	03.85	34.93	27.76		1479.5							
	OBS	00850	03.87	34.93	27.77		1480.3							
	STD	00900	03.85	34.93	27.76	00.534	1481.2							
	OBS	00900	03.89	34.93	27.76		1481.2							
	OBS	00951	03.71	34.91	27.77		1481.3							
	STD	01000	03.71	34.91	27.77	00.577	1482.1							
	OBS	01007	03.71	34.91	27.77		1482.2							
	OBS	01050	03.77	34.93	27.78		1483.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA														
REFID 31 8463	YEAR 1975	BOTOP 03076	AIR TEMP 04.5	DIR MGT PER	WIND-DIR 33	INST STD RECORDER	TEN SO 1304							
CONSEC 0000	MONTH 06	SHIP EV	WET BULB 04.5	35 2 3	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2							
LAT 43 50.0N	DAY 04	DATA USE 1	BAROMETR 1012.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28							
LONG 148 16.0W	HOOR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER H4	ORIG 011 868 15	1 SQUARE 36							
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.7	STD	00000	04.04	33.24	26.41	00.000	1464.7							
	OBS	00005	04.04	33.24	26.41		1464.8							
	STD	00010	04.04	33.23	26.40	00.016	1464.8							
	OBS	00011	04.04	33.23	26.40		1464.8							
	STD	00020	03.92	33.24	26.42	00.033	1464.5							
	OBS	00020	03.91	33.24	26.42		1464.5							
	STD	00030	03.91	33.25	26.46	00.045	1464.7							
	OBS	00030	03.91	33.29	26.46		1464.7							
	STD	00050	03.89	33.43	26.57	00.079	1465.1							
	OBS	00051	03.89	33.43	26.57		1465.1							
	OBS	00055	03.80	33.43	26.58		1464.8							
	OBS	00059	03.32	33.47	26.66		1462.9							
	OBS	00068	03.05	33.46	26.68		1461.9							
	STD	00075	02.79	33.54	26.76	00.114	1461.0							
	OBS	00083	02.44	33.65	26.88		1459.7							
	OBS	00085	02.10	33.75	27.02		1458.5							
	OBS	00087	01.67	33.99	27.19		1458.2							
	OBS	00097	02.01	34.05	27.23		1458.6							
	STD	00100	02.18	34.11	27.27	00.140	1459.5							
	OBS	00108	02.59	34.24	27.34		1461.6							
	STD	00125	03.02	34.34	27.38	00.160	1463.8							
	OBS	00125	03.03	34.34	27.38		1463.9							
	STD	00150	03.19	34.44	27.44	00.177	1465.1							
	OBS	00152	03.20	34.45	27.45		1465.2							
	OBS	00175	03.26	34.50	27.48		1465.9							
	OBS	00188	03.10	34.52	27.51		1465.5							
	STD	00200	03.18	34.59	27.56	00.207	1466.1							
	OBS	00203	03.20	34.60	27.57		1466.3							
	OBS	00215	03.22	34.59	27.56		1466.5							
	OBS	00226	03.44	34.63	27.57		1467.7							
	STD	00250	02.90	34.58	27.58	00.234	1465.7							
	OBS	00251	02.89	34.58	27.58		1465.7							
	OBS	00266	02.94	34.62	27.61		1466.2							
	OBS	00274	03.60	34.75	27.62		1470.6							
	OBS	00277	03.98	34.78	27.63		1471.1							
	STD	00300	04.02	34.79	27.64	00.260	1471.6							
	OBS	00300	04.02	34.79	27.64		1471.6							
	OBS	00352	04.36	34.91	27.70		1474.0							
	STD	00400	04.42	34.94	27.71	00.306	1475.1							
	OBS	00403	04.42	34.94	27.71		1475.2							
	OBS	00453	04.38	34.95	27.73		1475.8							
	STD	00500	04.31	34.95	27.73	00.345	1476.3							
	OBS	00502	04.30	34.95	27.74		1476.3							
	OBS	00550	04.05	34.92	27.74		1476.0							
	STD	00600	04.04	34.93	27.75	00.351	1476.8							
	OBS	00601	04.04	34.93	27.75		1476.9							
	OBS	00651	04.09	34.96	27.77		1477.9							
	STD	00700	04.11	34.95	27.76	00.433	1478.8							
	OBS	00700	04.11	34.95	27.76		1478.8							
	OBS	00753	03.95	34.93	27.76		1479.0							
	STD	00800	04.03	34.95	27.76	00.475	1480.1							
	OBS	00801	04.03	34.95	27.76		1480.2							
	OBS	00852	03.94	34.94	27.77		1480.6							
	STD	00900	03.91	34.95	27.78	00.517	1481.3							
	OBS	00904	03.91	34.95	27.78		1481.4							
	OBS	00957	04.00	34.96	27.78		1482.6							
	STD	01000	04.00	34.96	27.78	00.555	1483.4							
	OBS	01001	04.00	34.96	27.78		1483.4							
	OBS	01052	03.98	34.96	27.78		1484.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
SHIP 31 0463	YEAR 1975	SDTP 02937	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SC 1306							
CONSEC 3390	MONTH 04	SHIP EV	WET BULB 05.0	33 0 2	WIND-SPC 10	TRACE CIR 0	5 SQUARE 2							
LAT 43 46.0N	DAY 04	DATA USE 1	BAROMETER 1012.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28							
LONG 048 38.5W	HOOR 11.4	AREA 05	CLOUD T/A	CL/TR	WEATHER K4	ORIG 011 069	1 SQUARE 38							
								-						
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	ORVG	PO4	TOT P	AC2	NO3	SIG3	PH
11.4	STD	00000	05.02	33.50	26.51	00.000	1469.1							
	OBS	00001	05.02	33.50	26.51		1469.1							
	STD	00010	05.02	33.50	26.51	00.015	1469.3							
	STD	00020	05.02	33.50	26.51	00.031	1469.4							
	OBS	00020	05.02	33.50	26.51		1469.4							
	STD	00030	05.02	33.51	26.51	00.046	1469.6							
	OBS	00030	05.02	33.51	26.52		1469.6							
	STD	00050	05.19	33.66	26.62	00.076	1470.8							
	OBS	00051	05.22	33.68	26.63		1471.0							
	OBS	00062	05.39	33.86	26.72		1472.9							
	OBS	00072	06.55	33.80	26.80		1468.7							
	STD	00075	01.65	33.60	26.90	00.108	1456.0							
	OBS	00076	00.97	33.57	26.92		1453.0							
	OBS	00076	00.86	33.72	27.05		1452.9							
	OBS	00085	01.13	33.85	27.13		1454.2							
	OBS	00093	01.29	33.95	27.20		1455.2							
	OBS	00095	01.35	34.08	27.27		1457.5							
	STD	00100	02.39	34.14	27.27	00.133	1460.4							
	OBS	00100	02.44	34.15	27.28		1460.8							
	OBS	00110	02.33	34.23	27.35		1460.6							
	OBS	00121	02.23	34.22	27.35		1460.2							
	STD	00125	02.41	34.29	27.36	00.152	1461.1							
	OBS	00127	02.53	34.33	27.41		1461.8							
	OBS	00131	02.47	34.37	27.43		1462.5							
	OBS	00137	03.12	34.40	27.42		1464.0							
	STD	00150	03.39	34.44	27.43	00.165	1465.6							
	OBS	00150	03.30	34.44	27.43		1465.6							
	OBS	00154	03.28	34.47	27.46		1465.6							
	OBS	00161	02.25	34.36	27.46		1461.1							
	OBS	00177	02.07	34.50	27.52		1464.3							
	OBS	00182	02.52	34.51	27.52		1464.6							
	OBS	00194	03.25	34.57	27.54		1466.5							
	STD	00200	03.61	34.62	27.55	00.200	1468.0							
	OBS	00205	03.62	34.64	27.56		1468.2							
	OBS	00209	03.66	34.63	27.57		1467.5							
	OBS	00226	03.62	34.65	27.60		1468.6							
	OBS	00241	03.64	34.72	27.62		1468.5							
	STD	00250	03.44	34.68	27.61	00.227	1468.2							
	OBS	00255	03.37	34.67	27.61		1467.9							
	OBS	00268	03.35	34.71	27.64		1468.1							
	OBS	00371	03.05	34.68	27.65		1467.0							
	STD	00300	03.22	34.71	27.65	00.251	1468.1							
	OBS	00300	03.23	34.71	27.65		1468.2							
	OBS	00306	03.35	34.73	27.66		1468.8							
	OBS	00312	03.14	34.72	27.67		1468.0							
	OBS	00325	03.19	34.71	27.66		1468.5							
	OBS	00344	03.68	34.80	27.68		1470.5							
	OBS	00348	04.05	34.87	27.70		1472.6							
	OBS	00352	04.04	34.86	27.69		1472.6							
	OBS	00373	04.11	34.88	27.70		1473.3							
	STD	00400	04.42	34.94	27.72	00.296	1475.1							
	OBS	00403	04.45	34.95	27.72		1475.3							
	OBS	00451	04.41	34.94	27.72		1475.9							
	STD	00500	04.47	34.97	27.73	00.335	1477.0							
	OBS	00500	04.47	34.97	27.73		1477.0							
	OBS	00557	04.53	34.95	27.74		1478.3							
	STD	00600	04.37	34.98	27.75	00.381	1478.3							
	OBS	00603	04.36	34.98	27.75		1478.3							
	OBS	00651	04.40	35.00	27.76		1479.3							
	STD	00700	04.45	35.00	27.76	00.423	1480.3							
	OBS	00700	04.45	35.00	27.76		1480.3							
	OBS	00750	04.34	34.99	27.76		1480.7							
	STD	00800	04.28	34.99	27.77	00.466	1481.2							
	OBS	00801	04.28	34.95	27.77		1481.3							
	OBS	00852	04.23	34.99	27.78		1481.9							
	STD	00900	04.18	34.98	27.77	00.508	1482.5							
	OBS	00902	04.18	34.98	27.77		1482.5							
	OBS	00957	04.12	34.98	27.78		1483.2							
	STD	01000	04.12	34.97	27.77	00.551	1483.5							
	OBS	01007	04.11	34.97	27.77		1483.9							
OBS	01062	04.02	34.97	27.78		1484.5								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 0443 YEAR 1975 BOTDP 00312 AIR TEMP 04.2 DIR HGT PER WIND-DIR 31 INST STD RECODER TEN SQ 1304
 CONSEC 0091 MONTH 04 SHIP EV MET BULB 05.0 05 2 3 WIND-SPD 11 TRACE CIR 0 5 SQUARE 2
 LA* 43 50.3N DAY 04 DATA USE 1 BAROMETR 1011.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
 LONG 048 50.4W HOUR 13.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 070 05 1 SQUARE 36

CASHTIME	TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	STD	00000	01.47	33.30	26.64	00.000	1455.8								
	OBS	00000	01.47	33.30	26.64		1455.8								
	STD	00010	01.41	33.25	26.64	00.014	1455.2								
	OBS	00011	01.49	33.29	26.64		1455.2								
	STD	00020	01.72	33.30	26.65	00.028	1455.0								
	OBS	00022	01.71	33.34	26.69		1455.1								
	STD	00030	01.73	33.58	26.68	00.041	1455.6								
	OBS	00032	01.74	33.63	26.92		1455.8								
	OBS	00043	01.65	33.68	26.96		1455.6								
	OBS	00045	01.21	33.66	26.98		1455.7								
	STD	00050	01.17	33.67	26.99	00.064	1453.6								
	OBS	00057	00.81	33.48	27.02		1452.1								
	OBS	00059	00.65	33.72	27.06		1451.5								
	OBS	00062	00.63	33.71	27.05		1451.4								
	STD	00075	00.79	33.68	27.18	00.088	1452.6								
	OBS	00076	00.80	33.89	27.19		1452.4								
	STD	00100	01.02	33.97	27.24	00.110	1454.2								
	OBS	00102	01.04	33.98	27.25		1454.3								
	STD	00125	01.06	34.00	27.26	00.131	1454.8								
	OBS	00131	01.12	34.04	27.29		1455.2								
	STD	00150	01.48	34.24	27.42	00.150	1457.4								
	OBS	00152	01.51	34.25	27.43		1457.6								
	OBS	00175	01.69	34.29	27.45		1458.8								
	STD	00200	02.03	34.41	27.52	00.181	1460.9								
	OBS	00201	02.05	34.42	27.53		1461.0								
	OBS	00226	02.20	34.49	27.57		1462.2								
	STD	00250	02.22	34.49	27.57	00.209	1462.7								
	OBS	00257	02.23	34.51	27.58		1462.8								
	OBS	00274	02.37	34.59	27.64		1463.8								

REFID 31 0443 YEAR 1975 BOTDP 00221 AIR TEMP 05.9 DIR HGT PER WIND-DIR 32 INST STD RECODER TEN SQ 1304
 CONSEC 0092 MONTH 04 SHIP EV MET BULB 05.5 32 2 2 WIND-SPD 10 TRACE CIR 0 5 SQUARE 2
 LA* 43 49.8N DAY 04 DATA USE 1 BAROMETR 1013.7 SEA WIND-FOR DURATION 00.2 2 SQUARE 28
 LONG 049 05.5W HOUR 14.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 071 05 1 SQUARE 36

CASHTIME	TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	STD	00000	01.54	32.94	26.38	00.000	1453.5								
	OBS	00000	01.54	32.94	26.38		1453.5								
	STD	00010	01.41	32.91	26.34	00.017	1452.6								
	OBS	00011	01.40	32.91	26.36		1452.9								
	OBS	00019	01.42	32.92	26.37		1453.2								
	STD	00020	01.35	32.92	26.38	00.033	1452.9								
	OBS	00022	01.21	32.92	26.38		1452.3								
	STD	00030	01.23	32.93	26.41	00.050	1452.5								
	OBS	00032	01.23	32.96	26.42		1452.6								
	STD	00050	01.18	33.02	26.47	00.082	1452.7								
	OBS	00051	01.12	33.02	26.47		1452.5								
	OBS	00055	00.90	33.02	26.48		1451.5								
	OBS	00057	00.24	33.09	26.58		1448.7								
	OBS	00059	- 0.23	33.11	26.61		1446.6								
	OBS	00062	- 0.41	33.23	26.72		1446.0								
	OBS	00072	00.26	33.27	26.72		1449.3								
	OBS	00076	00.10	33.35	26.79		1448.7								
	STD	00075	00.15	33.38	26.81	00.117	1448.6								
	OBS	00076	00.24	33.41	26.83		1449.4								
	OBS	00079	00.85	33.48	26.86		1452.4								
	OBS	00083	01.00	33.47	26.84		1453.1								
	OBS	00097	00.90	33.47	26.84		1452.6								
	STD	00100	00.31	33.47	26.88	00.147	1450.2								
	OBS	00106	- 0.40	33.51	26.94		1447.1								
	OBS	00116	00.15	33.64	27.04		1450.0								
	OBS	00119	00.21	33.76	27.12		1450.5								
	STD	00125	00.37	33.76	27.11	00.174	1451.3								
	OBS	00127	00.44	33.76	27.10		1451.7								
	STD	00150	00.66	33.91	27.21	00.197	1453.3								
	OBS	00150	00.67	33.91	27.21		1453.3								
	OBS	00175	01.07	34.10	27.34		1455.8								
	STD	00200	01.30	34.18	27.38	00.236	1457.3								
	OBS	00201	01.30	34.18	27.39		1457.4								
	OBS	00205	01.30	34.19	27.40		1457.4								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATICA DATA

REFID 31 8443 YEAR 1975 BOTOP 00713 AIR TEMP 06.5 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
 COMSEC 0093 MONTH 06 SHIP EV MET BULB 06.1 05 1 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LAT 43 56.0N DAY 04 DATA USE 1 BAROMETR 1011.2 SEA CL/TP WEATHER X4 DURATION 00.3 2 SQUARE 28
 LONG 049 15.3W HOUR 15.7 AREA 05 CLCUD T/A CL/TP WEATHER X4 ORIG 011 872 14 1 SQUARE 39

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORVC	PO4	TCT P	NO2	NO3	SIO3	PH
15.7	STD	00000	02.26	32.88	26.20	00.000	1456.5							
	OBS	00007	02.26	32.88	26.20		1456.6							
	STD	00010	02.15	32.85	26.26	00.018	1456.3							
	OBS	00017	01.94	32.84	26.27		1455.3							
	STD	00020	01.82	32.87	26.30	00.035	1454.5							
	OBS	00020	01.79	32.88	26.31		1454.6							
	STD	00030	01.74	32.89	26.32	00.052	1454.7							
	OBS	00032	01.52	32.90	26.35		1453.8							
	OBS	00034	01.28	32.91	26.37		1452.8							
	STD	00050	00.72	33.00	26.48	00.085	1450.6							
	OBS	00051	00.66	33.01	26.49		1450.4							
	OBS	00059	00.31	33.06	26.55		1449.0							
	STD	00075	- 0.27	33.18	26.68	00.122	1446.8							
	OBS	00075	- 0.36	33.20	26.65		1446.4							
	OBS	00091	- 0.42	33.20	26.70		1446.4							
	STD	00100	- 0.25	33.35	26.81	00.154	1447.5							
	OBS	00100	- 0.24	33.36	26.82		1447.6							
	OBS	00116	- 0.08	33.54	26.95		1448.8							
	OBS	00123	00.30	33.64	27.02		1450.8							
	STD	00125	00.27	33.64	27.02	00.183	1450.7							
	OBS	00125	00.26	33.64	27.02		1450.7							
	STD	00150	00.19	33.72	27.08	00.205	1450.5							
	OBS	00154	00.18	33.73	27.09		1450.5							
	OBS	00180	00.42	33.82	27.15		1452.6							
	STD	00200	00.89	34.02	27.28	00.253	1455.3							
	OBS	00203	00.55	34.04	27.30		1455.6							
	OBS	00226	01.13	34.09	27.33		1456.6							
	STD	00250	01.29	34.16	27.37	00.291	1458.1							
	OBS	00251	01.30	34.16	27.37		1458.1							
	OBS	00283	01.47	34.23	27.42		1459.5							
	STD	00300	01.54	34.26	27.44	00.326	1460.2							
	OBS	00302	01.56	34.27	27.44		1460.3							
	OBS	00350	02.30	34.48	27.55		1464.6							
	STD	00400	02.50	34.56	27.60	00.385	1466.4							
	OBS	00401	02.51	34.56	27.60		1466.5							
	OBS	00454	02.82	34.65	27.64		1468.9							
	STD	00500	03.09	34.71	27.67	00.435	1470.8							
	OBS	00502	03.10	34.71	27.67		1470.5							
	OBS	00552	03.21	34.74	27.68		1472.3							
	STD	00600	03.27	34.76	27.69	00.482	1473.3							
	OBS	00605	03.28	34.76	27.69		1473.5							
	OBS	00651	03.35	34.78	27.70		1474.6							
	STD	00700	03.35	34.77	27.69	00.528	1475.4							
	OBS	00702	03.35	34.77	27.69		1475.4							

REFID 31 8443 YEAR 1975 BOTOP 00105 AIR TEMP 06.7 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1306
 COMSEC 0094 MONTH 06 SHIP EV MET BULB 06.9 31 1 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2
 LAT 44 05.0N DAY 04 DATA USE 1 BAROMETR 1011.2 SEA CL/TP WEATHER X2 DURATION 00.0 2 SQUARE 46
 LONG 049 17.7W HOUR 18.1 AREA 05 CLOUD T/A CL/TP WEATHER X2 ORIG 011 873 12 1 SQUARE 45

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	ORVC	PO4	TCT P	NO2	NO3	SIO3	PH
18.1	STD	00000	02.44	32.86	26.25	00.000	1457.3							
	OBS	00001	02.44	32.86	26.25		1457.3							
	STD	00010	02.40	32.86	26.25	00.018	1457.3							
	OBS	00013	02.26	32.87	26.27		1456.7							
	STD	00020	01.70	32.90	26.33	00.035	1454.4							
	OBS	00020	01.65	32.90	26.34		1454.2							
	STD	00030	01.54	32.96	26.39	00.052	1453.9							
	OBS	00032	01.51	32.97	26.40		1453.8							
	OBS	00034	01.12	33.07	26.51		1452.3							
	OBS	00045	00.79	33.14	26.59		1451.1							
	OBS	00045	00.38	33.18	26.64		1449.3							
	STD	00050	00.24	33.20	26.66	00.082	1448.7							
	OBS	00051	- 0.07	33.23	26.70		1447.4							
	OBS	00055	- 0.45	33.24	26.73		1445.7							
	STD	00075	- 0.49	33.29	26.77	00.116	1445.6							
	OBS	00076	- 0.51	33.30	26.78		1445.8							
	OBS	00075	- 0.59	33.32	26.80		1445.6							
	OBS	00093	- 0.57	33.36	26.83		1445.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8443	YEAR 1975	BOTDP 00140	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SO 1304
CONSEC 0395	MONTH 04	SHIP EV	WET BULB 04.5	35 1 2	WIND-SPD 09	TRACE DIA D	5 SQUARE 2
LAT 44 05.0N	DAY 04	DATA USE 1	BAROMETER 1011.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 17.7W	MOOR 18.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 874	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
18.9	STD	00000	01.38	32.81	26.29	00.000	1452.5							
	OBS	00001	01.38	32.81	26.29		1452.5							
	OBS	00003	01.35	32.80	26.28		1452.4							
	OBS	00007	00.21	33.00	26.31		1447.6							
	STD	00010	00.12	33.04	26.34	00.016	1447.3							
	OBS	00013	00.04	33.07	26.37		1447.0							
	OBS	00019	00.04	33.05	26.35		1447.1							
	STD	00020	00.01	33.06	26.36	00.031	1447.0							
	OBS	00026	- 0.19	33.09	26.40		1446.2							
	OBS	00028	- 0.41	33.12	26.43		1445.3							
	STD	00030	- 0.43	33.14	26.44	00.046	1445.2							
	OBS	00030	- 0.44	33.14	26.45		1445.2							
	OBS	00038	- 0.50	33.14	26.45		1445.0							
	OBS	00043	- 0.89	33.15	26.67		1443.4							
	OBS	00047	- 1.02	33.25	26.76		1442.9							
	STD	00050	- 0.58	33.28	26.77	00.073	1445.1							
	OBS	00057	- 0.08	33.34	26.79		1447.6							
	OBS	00064	- 0.89	33.35	26.83		1443.9							
	OBS	00072	- 1.07	33.39	26.87		1443.3							
	STD	00075	- 1.00	33.47	26.94	00.103	1443.8							
	OBS	00076	- 0.87	33.48	26.94		1444.4							
	OBS	00078	- 0.50	33.45	26.90		1446.1							
	STD	00100	- 0.31	33.53	26.95	00.130	1447.5							
	OBS	00100	- 0.30	33.53	26.96		1447.5							
	STD	00125	- 0.23	33.53	26.95	00.158	1448.3							
	OBS	00125	- 0.23	33.53	26.95		1448.3							
	OBS	00135	- 0.23	33.52	26.94		1448.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA

SEFID 31	8463	YEAR 1975	BOTOP 01365	AIR TEMP 04.7	DIR MGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC	0096	MONTH 06	SHIP EV	WET BULB 04.1	31 2 2	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2
LAT 44	06.04	DAY 04	DATA USE 1	BAROMETER 1012.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 348	51.54	MOOR 20.0	AREA 05	CLOUD T/A	CL/T/A	WEATHER K4	ORIG 011 875 10	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTR	SNC VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.0	STD	00000	01.74	33.06	26.46	00.000	1454.5							
	OBS	00007	01.74	33.06	26.46		1454.6							
	STD	00010	01.72	33.05	26.46	00.016	1454.5							
	OBS	00011	01.71	33.05	26.45		1454.5							
	OBS	00015	01.69	33.04	26.46		1454.5							
	STD	00020	01.37	33.05	26.48	00.032	1453.1							
	OBS	00020	01.31	33.05	26.48		1452.6							
	OBS	00026	00.95	33.01	26.47		1451.3							
	OBS	00028	00.33	33.03	26.52		1448.5							
	STD	00030	00.30	33.04	26.54	00.047	1448.5							
	OBS	00032	00.24	33.05	26.54		1448.2							
	OBS	00034	00.17	33.04	26.54		1447.9							
	OBS	00041	- 0.42	33.07	26.59		1445.4							
	OBS	00045	- 0.44	33.07	26.59		1445.2							
	OBS	00049	- 1.34	33.03	26.59		1441.1							
	STD	00050	- 1.37	33.06	26.61	00.074	1441.1							
	OBS	00051	- 1.44	33.13	26.67		1440.8							
	STD	00075	- 1.33	33.29	26.80	00.110	1442.0							
	OBS	00076	- 1.32	33.30	26.81		1442.1							
	OBS	00097	- 0.96	33.39	26.87		1444.2							
	STD	00100	- 0.88	33.43	26.90	00.140	1444.8							
	OBS	00102	- 0.76	33.47	26.93		1445.4							
	STD	00125	00.31	33.81	27.15	00.166	1451.1							
	OBS	00125	00.33	33.82	27.16		1451.2							
	OBS	00135	00.63	33.52	27.22		1452.9							
	OBS	00139	00.82	33.98	27.26		1453.6							
	STD	00150	00.90	34.01	27.28	00.187	1454.5							
	OBS	00150	00.50	34.01	27.28		1454.5							
	OBS	00175	01.19	34.13	27.36		1456.4							
	STD	00200	01.37	34.22	27.42	00.224	1457.7							
	OBS	00203	01.38	34.23	27.42		1457.8							
	OBS	00224	01.40	34.24	27.43		1458.3							
	STD	00250	01.47	34.26	27.44	00.258	1459.0							
	OBS	00251	01.47	34.26	27.44		1459.0							
	OBS	00276	01.51	34.28	27.45		1459.7							
	OBS	00277	01.53	34.28	27.45		1459.8							
	OBS	00291	01.73	34.35	27.49		1461.0							
	STD	00300	01.78	34.36	27.50	00.295	1461.3							
	OBS	00302	01.80	34.37	27.50		1461.5							
	OBS	00338	02.42	34.65	27.66		1466.1							
	OBS	00354	02.72	34.66	27.66		1466.8							
	STD	00400	02.91	34.72	27.69	00.342	1468.4							
	OBS	00401	02.92	34.72	27.69		1468.5							
	OBS	00453	03.30	34.80	27.72		1471.1							
	STD	00500	03.42	34.84	27.74	00.384	1472.4							
	OBS	00500	03.42	34.84	27.74		1472.4							
	OBS	00550	03.44	34.85	27.75		1473.4							
	STD	00600	03.44	34.86	27.75	00.425	1474.3							
	OBS	00603	03.44	34.86	27.75		1474.3							
	OBS	00651	03.48	34.87	27.76		1475.2							
	STD	00700	03.48	34.86	27.75	00.466	1476.0							
	OBS	00702	03.48	34.86	27.75		1476.1							
	OBS	00751	03.44	34.87	27.76		1476.8							
	STD	00800	03.47	34.87	27.76	00.508	1477.7							
	OBS	00801	03.47	34.87	27.76		1477.7							
	OBS	00850	03.44	34.87	27.76		1478.5							
	STD	00900	03.44	34.87	27.76	00.549	1479.2							
	OBS	00902	03.44	34.87	27.76		1479.2							
	OBS	00953	03.45	34.87	27.76		1480.1							
	STD	01000	03.45	34.86	27.75	00.592	1480.9							
	OBS	01003	03.45	34.86	27.75		1481.0							
	OBS	01060	03.46	34.86	27.75		1482.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA														
REFID 31 0463	YEAR 1975	BOTDP 02430	AIR TEMP 05.2	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN 60 1306							
CONSEC 0097	MONTH 04	S-IP EV	WET BULB 04.9	36 2 4	WIND-SPD 10	TRACE DIR	5 SQUARE 2							
LA 44 04.34	DAY 04	DATA USE 1	BARCHETR 1019.0	SEA	WIND-FOR	DURATION	00.4 2 SQUARE 46							
LONG 048 37.74	HOUR 22.1	AREA 03	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 076	1 SQUARE 46							
Z														
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
22.1	STD	00000	04.47	33.34	26.44	00.000	1466.6							
	ONS	00003	04.47	33.34	26.44		1466.7							
	STD	00010	04.47	33.34	26.44	00.016	1466.7							
	ONS	00011	04.45	33.34	26.44		1466.7							
	ONS	00015	04.38	33.34	26.45		1466.5							
	STD	00020	03.86	33.35	26.51	00.032	1466.4							
	ONS	00022	03.53	33.35	26.54		1463.0							
	ONS	00024	03.06	33.30	26.55		1461.0							
	STD	00030	02.87	33.32	26.55	00.047	1460.3							
	ONS	00034	02.48	33.36	26.64		1458.7							
	ONS	00036	02.26	33.37	26.67		1457.8							
	ONS	00040	02.41	33.43	26.71		1458.6							
	STD	00050	02.13	33.46	26.75	00.074	1457.6							
	ONS	00051	02.07	33.47	26.76		1457.3							
	ONS	00066	00.99	33.62	26.66		1453.0							
	STD	00075	01.25	33.68	26.68	00.104	1454.5							
	ONS	00076	01.33	33.69	26.95		1454.7							
	ONS	00078	00.65	33.72	27.06		1451.8							
	STD	00100	01.18	33.91	27.18	00.125	1454.8							
	ONS	00100	01.19	33.92	27.19		1454.8							
	ONS	00121	01.38	34.06	27.29		1456.2							
	STD	00125	01.57	34.15	27.34	00.145	1457.2							
	ONS	00125	01.60	34.16	27.35		1457.4							
	ONS	00137	02.15	34.20	27.34		1460.1							
	STD	00150	01.98	34.26	27.40	00.167	1456.6							
	ONS	00150	01.68	34.26	27.40		1456.6							
	ONS	00163	02.12	34.29	27.42		1460.5							
	ONS	00167	02.35	34.35	27.44		1461.7							
	ONS	00186	02.01	34.33	27.46		1460.5							
	STD	00200	01.92	34.37	27.50	00.200	1460.3							
	ONS	00201	01.62	34.38	27.50		1460.4							
	ONS	00226	02.19	34.49	27.57		1462.1							
	STD	00250	02.28	34.54	27.60	00.228	1463.0							
	ONS	00251	02.28	34.54	27.60		1463.0							
	ONS	00281	02.30	34.57	27.62		1463.6							
	STD	00300	02.33	34.58	27.63	00.252	1464.1							
	ONS	00304	02.35	34.59	27.64		1464.3							
	ONS	00350	02.80	34.69	27.68		1467.1							
	STD	00400	03.33	34.78	27.70	00.298	1470.3							
	ONS	00401	03.34	34.78	27.70		1470.4							
	ONS	00453	03.61	34.84	27.72		1472.5							
	STD	00500	03.64	34.85	27.73	00.341	1473.4							
	ONS	00502	03.64	34.85	27.73		1473.4							
	ONS	00550	03.58	34.85	27.73		1474.0							
	STD	00600	03.75	34.89	27.75	00.383	1475.5							
	ONS	00601	03.75	34.89	27.75		1475.6							
	ONS	00651	03.77	34.90	27.75		1476.5							
	STD	00700	03.71	34.89	27.75	00.425	1477.1							
	ONS	00702	03.71	34.89	27.75		1477.1							
	ONS	00753	03.68	34.89	27.75		1477.8							
	STD	00800	03.59	34.88	27.75	00.467	1478.2							
	ONS	00801	03.59	34.88	27.75		1478.2							
	ONS	00852	03.52	34.88	27.76		1478.8							
	STD	00900	03.52	34.88	27.76	00.505	1479.6							
	ONS	00904	03.52	34.88	27.76		1479.6							
	ONS	00955	03.53	34.88	27.76		1480.5							
	STD	01000	03.53	34.88	27.76	00.552	1481.3							
	ONS	01001	03.53	34.88	27.76		1481.3							
	ONS	01054	03.52	34.88	27.76		1482.1							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

PEPIC 31 0443	YEAR 1975	BOTDP 03235	AIR TEMP 05.3	DIR MGT PER	WIND-DIR 33	INST STD RECORDER	TEN 54 1306
CONSEC 0398	MONTH 06	SHIP EV	WET BULB 05.3	33 1 2	WIND-SPD 10	TRACE DIA	5 SQUARE 2
LAT 44 04.1N	DAY 05	DATA USE 1	BAROMETR 1012.2	SEA	WIND-POW	DURATION	2 SQUARE 46
LONG 048 25.8W	HOUR 00.3	AREA 05	CLCUD T/A	CL/TX	WEATHER X4	DRIC 011 877	1 SQUARE 46

CASNUM/TIME	LVLTP	CEPYN	TEMP	SAL	SIGMA-T	DYNOPN	SHD VEL	DRYG	PO4	TCT P	NC2	NO3	SID3	PH
03.3	STD	00000	08.23	34.32	26.73	00.000	1482.9							
	085	00005	08.23	34.32	26.73		1483.0							
	085	00009	08.24	34.33	26.73		1483.1							
	STD	00010	08.29	34.36	26.74	00.013	1483.4							
	085	00011	08.42	34.42	26.78		1484.0							
	STD	00020	08.41	34.47	26.82	00.026	1484.1							
	085	00022	08.39	34.48	26.83		1484.1							
	STD	00030	08.31	34.49	26.85	00.038	1483.9							
	085	00032	08.28	34.50	26.86		1483.9							
	085	00049	09.01	34.69	26.89		1487.2							
	STD	00050	09.02	34.70	26.90	00.062	1487.2							
	085	00055	09.09	34.75	26.93		1487.6							
	085	00059	09.06	34.77	26.95		1487.6							
	085	00070	07.47	34.61	27.04		1482.3							
	085	00072	08.47	34.50	27.11		1486.5							
	STD	00075	08.40	34.89	27.11	00.069	1486.3							
	085	00081	07.40	34.75	27.13		1483.2							
	085	00085	06.57	34.61	27.14		1479.8							
	085	00087	06.95	34.63	27.16		1479.8							
	085	00096	06.22	34.51	27.16		1476.9							
	STD	00100	06.21	34.51	27.16	00.113	1476.9							
	085	00102	06.20	34.52	27.17		1476.9							
	STD	00125	06.07	34.56	27.22	00.135	1476.8							
	085	00127	06.06	34.57	27.23		1476.8							
	085	00144	06.35	34.66	27.26		1478.4							
	STD	00150	06.22	34.65	27.27	00.157	1478.0							
	085	00150	06.21	34.65	27.27		1477.9							
	085	00177	05.90	34.66	27.32		1477.1							
	085	00184	06.25	34.79	27.36		1479.2							
	085	00186	06.45	34.79	27.35		1479.7							
	STD	00200	06.11	34.67	27.30	00.196	1478.4							
	085	00203	05.86	34.67	27.33		1477.4							
	085	00207	05.54	34.68	27.36		1476.2							
	085	00211	05.31	34.63	27.37		1475.3							
	085	00215	05.00	34.63	27.40		1474.1							
	085	00226	04.54	34.59	27.42		1472.3							
	085	00246	04.45	34.65	27.48		1472.4							
	STD	00250	04.52	34.66	27.49	00.234	1472.7							
	085	00262	05.49	34.86	27.53		1477.2							
	085	00274	05.44	34.84	27.51		1477.2							
	085	00277	04.96	34.78	27.53		1475.1							
	085	00279	04.93	34.79	27.54		1475.0							
	STD	00300	05.38	34.89	27.56	00.264	1477.4							
	085	00300	05.40	34.89	27.56		1477.5							
	085	00317	04.86	34.84	27.59		1475.5							
	085	00354	04.59	34.87	27.64		1475.0							
	085	00357	06.86	34.89	27.63		1476.2							
	STD	00400	04.81	34.92	27.65	00.317	1476.7							
	085	00401	04.81	34.92	27.66		1476.7							
	085	00451	04.76	34.95	27.68		1477.4							
	STD	00500	04.82	34.99	27.71	00.365	1478.5							
	085	00500	04.82	34.99	27.71		1478.5							
	085	00550	04.63	34.99	27.73		1478.5							
	STD	00600	04.68	35.02	27.75	00.406	1479.6							
	085	00601	04.68	35.02	27.75		1479.6							
	085	00652	04.58	35.01	27.75		1480.1							
	STD	00700	04.47	34.99	27.75	00.452	1480.4							
	085	00700	04.47	34.99	27.75		1480.4							
	085	00751	04.36	34.98	27.75		1480.8							
	STD	00800	04.36	35.00	27.77	00.494	1481.6							
	085	00803	04.36	35.00	27.77		1481.6							
	085	00858	04.29	34.99	27.77		1482.3							
	STD	00900	04.20	34.98	27.77	00.537	1482.5							
	085	00904	04.19	34.98	27.77		1482.6							
	085	00942	04.14	34.98	27.78		1483.0							
	085	00955	04.14	34.98	27.78		1483.2							
	085	00961	04.14	34.97	27.77		1483.3							
	STD	01000	04.13	34.98	27.78	00.580	1483.6							
	085	01000	04.13	34.98	27.78		1483.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA														
REFID 31 0463	YEAR 1975	DOTDP 03450	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1304							
CONSEC 0095	MONTH 04	SHIP EV	NET BULB 06.9	04 2 2	WIND-SPD 04	TRACE DIR 0	5 SQUARE 2							
LAT 44 07.0N	DAY 05	DATA USE 1	SAPOMETER 100%6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 40							
LONG 048 11.0W	MOOR 02.1	AREA 05	CLCUO T/A	CL/TR	WEATHER X4	DRIG C11 678	1 SQUARE 48							
I														
CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
02.1	STC	00000	06.25	34.29	26.70	00.000	1483.0							
	085	00000	06.25	34.29	26.70		1483.0							
	STD	00010	06.13	34.29	26.72	00.013	1482.7							
	085	00011	06.12	34.29	26.72		1482.6							
	STD	00020	06.05	34.30	26.73	00.027	1482.5							
	085	00020	06.05	34.30	26.74		1482.5							
	STD	00030	06.05	34.39	26.81	00.040	1482.0							
	085	00030	06.05	34.39	26.81		1482.0							
	STD	00050	06.09	34.43	26.83	00.065	1483.4							
	085	00053	06.19	34.44	26.84		1483.0							
	085	00060	06.31	34.55	26.86		1485.3							
	085	00068	06.24	34.62	26.96		1484.5							
	STD	00075	07.00	34.61	27.00	00.093	1483.3							
	085	00078	07.83	34.61	27.01		1483.0							
	085	00083	07.83	34.70	27.08		1483.3							
	085	00093	06.09	34.49	27.16		1476.3							
	085	00097	06.49	34.54	27.15		1478.0							
	STD	00100	06.43	34.53	27.15	00.116	1477.8							
	085	00100	06.42	34.53	27.15		1477.8							
	085	00116	06.86	34.67	27.20		1480.0							
	STD	00123	06.44	34.61	27.21	00.141	1478.4							
	085	00127	06.33	34.60	27.22		1478.0							
	085	00137	05.57	34.57	27.24		1476.6							
	085	00148	06.09	34.62	27.26		1477.4							
	STD	00150	05.74	34.56	27.26	00.163	1475.9							
	085	00150	05.65	34.54	27.25		1475.5							
	085	00175	05.81	34.62	27.30		1476.7							
	085	00160	05.93	34.67	27.32		1477.5							
	085	00194	05.40	34.61	27.34		1475.3							
	085	00198	05.38	34.66	27.38		1475.4							
	STD	00200	05.47	34.67	27.38	00.203	1475.8							
	085	00203	05.61	34.68	27.37		1476.4							
	085	00226	06.06	34.86	27.44		1478.8							
	085	00232	06.18	34.86	27.44		1479.4							
	085	00236	05.92	34.80	27.43		1478.4							
	085	00247	05.38	34.72	27.43		1476.3							
	STD	00250	05.18	34.72	27.45	00.236	1475.5							
	085	00253	05.06	34.72	27.47		1475.1							
	085	00258	05.19	34.74	27.47		1475.7							
	085	00281	04.82	34.69	27.47		1474.5							
	085	00287	04.66	34.72	27.51		1474.0							
	STD	00300	04.95	34.78	27.53	00.269	1475.4							
	085	00304	05.13	34.83	27.55		1476.3							
	085	00308	05.31	34.88	27.56		1477.2							
	085	00319	04.95	34.82	27.56		1476.0							
	085	00323	04.93	34.84	27.58		1475.8							
	085	00325	04.97	34.83	27.57		1476.0							
	085	00354	04.52	34.81	27.60		1474.6							
	STD	00400	04.48	34.86	27.64	00.324	1475.3							
	085	00401	04.48	34.86	27.64		1475.3							
	085	00436	04.81	34.94	27.67		1477.7							
	STD	00500	04.64	34.95	27.70	00.373	1477.8							
	085	00504	04.65	34.95	27.70		1477.8							
	085	00552	04.57	34.96	27.71		1478.3							
	STD	00600	04.40	34.94	27.73	00.418	1478.4							
	085	00603	04.39	34.96	27.73		1478.4							
	085	00651	04.34	34.96	27.74		1479.0							
	STD	00700	04.11	34.93	27.74	00.461	1478.8							
	085	00700	04.11	34.93	27.74		1478.8							
	085	00755	04.02	34.93	27.75		1479.3							
	STD	00800	03.91	34.92	27.75	00.505	1479.6							
	085	00801	03.91	34.92	27.75		1479.6							
	085	00854	03.82	34.92	27.76		1480.1							
	STD	00900	03.80	34.92	27.76	00.547	1480.8							
	085	00902	03.80	34.92	27.76		1480.8							
	085	00953	03.87	34.94	27.77		1482.0							
	STD	01000	03.70	34.91	27.77	00.590	1482.0							
	085	01001	03.70	34.91	27.77		1482.0							
	085	01058	03.72	34.92	27.77		1483.1							

00 00 00 00 00 00 00 00

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA														
REPIC 31 8463	YEAR 1975	BOCTOP 03621	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEM SG 1306							
CONSEC 0100	MONTH 06	SHIP EV	WET BULB 06.5	34 0 2	WIND-SPD 09	TRACE DIR C	5 SQUARE 2							
LAT 44 05.2N	DAY 05	DATA USE 1	BAROMETER 1008.6	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46							
LONG 047 57.0W	MOOR 03.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 879	1 SQUARE 47							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	CHY6	PO4	TOT P	AQ2	NO3	SIO3	PH
33.8	STD	00000	06.17	33.82	26.62	00.000	1474.2							
	OBS	00001	06.17	33.82	26.62		1474.2							
	STD	00010	06.17	33.82	26.62	00.014	1474.4							
	OBS	00011	06.17	33.82	26.62		1474.4							
	STD	00020	06.12	33.80	26.61	00.025	1474.3							
	OBS	00020	06.11	33.80	26.61		1474.3							
	STD	00030	07.59	34.30	26.81	00.042	1480.5							
	OBS	00030	07.69	34.32	26.81		1481.3							
	OBS	00032	08.07	34.38	26.80		1482.9							
	OBS	00040	07.67	34.44	26.90		1481.6							
	OBS	00045	07.74	34.47	26.92		1482.0							
	STD	00050	08.24	34.59	26.94	00.066	1484.1							
	OBS	00055	08.53	34.67	26.95		1485.4							
	OBS	00064	08.14	34.61	26.97		1486.0							
	OBS	00068	06.72	34.36	26.67		1478.2							
	OBS	00070	06.42	34.43	27.07		1477.2							
	OBS	00074	06.40	34.42	27.06		1477.1							
	STD	00075	06.46	34.48	27.10	00.092	1477.5							
	OBS	00076	06.56	34.54	27.14		1478.0							
	OBS	00081	07.28	34.66	27.13		1481.0							
	OBS	00083	07.08	34.63	27.14		1480.3							
	OBS	00086	07.03	34.62	27.14		1480.1							
	OBS	00091	06.52	34.53	27.13		1478.0							
	STD	00100	06.44	34.58	27.18	00.116	1477.9							
	OBS	00100	06.44	34.58	27.18		1477.5							
	STD	00125	06.60	34.67	27.24	00.138	1479.1							
	OBS	00129	06.63	34.68	27.24		1479.3							
	STD	00150	06.45	34.69	27.27	00.160	1478.5							
	OBS	00150	06.45	34.69	27.27		1478.9							
	OBS	00163	06.40	34.69	27.28		1475.0							
	OBS	00165	06.17	34.68	27.30		1478.1							
	OBS	00171	06.30	34.74	27.33		1478.6							
	OBS	00175	06.63	34.79	27.32		1480.2							
	OBS	00182	06.67	34.81	27.34		1480.5							
	OBS	00184	06.33	34.76	27.34		1479.3							
	STD	00200	06.43	34.78	27.34	00.200	1479.8							
	OBS	00201	06.45	34.78	27.34		1479.9							
	OBS	00228	06.28	34.83	27.40		1475.7							
	OBS	00239	06.26	34.88	27.45		1479.9							
	OBS	00249	05.68	34.79	27.45		1477.6							
	STD	00250	05.69	34.75	27.45	00.236	1477.7							
	OBS	00257	05.79	34.83	27.47		1478.2							
	OBS	00264	06.30	34.55	27.50		1480.6							
	OBS	00270	06.49	34.98	27.49		1481.5							
	OBS	00277	06.40	34.94	27.47		1481.2							
	OBS	00293	05.59	34.90	27.50		1479.7							
	OBS	00297	05.25	34.78	27.49		1476.6							
	STD	00300	05.13	34.81	27.53	00.268	1476.2							
	OBS	00300	05.13	34.82	27.54		1476.3							
	OBS	00306	05.47	34.89	27.55		1477.8							
	OBS	00352	05.52	34.93	27.58		1478.8							
	STD	00400	04.94	34.87	27.60	00.325	1477.2							
	OBS	00401	04.93	34.87	27.60		1477.2							
	OBS	00458	04.84	34.93	27.66		1477.8							
	STD	00500	04.81	34.96	27.65	00.371	1478.4							
	OBS	00500	04.81	34.96	27.65		1478.4							
	OBS	00552	04.75	35.00	27.72		1479.2							
	STD	00600	04.69	35.00	27.73	00.422	1479.4							
	OBS	00605	04.68	35.00	27.73		1479.7							
	OBS	00654	04.54	34.99	27.74		1479.5							
	STD	00700	04.36	34.96	27.74	00.466	1479.9							
	OBS	00700	04.36	34.96	27.74		1479.9							
	OBS	00751	04.09	34.94	27.75		1475.6							
	STD	00800	04.14	34.96	27.76	00.510	1480.6							
	OBS	00805	04.14	34.96	27.76		1480.7							
	OBS	00852	04.00	34.95	27.77		1480.9							
	STD	00900	03.86	34.93	27.76	00.552	1481.2							
	OBS	00904	03.88	34.93	27.76		1481.2							
	OBS	00955	03.83	34.92	27.76		1481.6							
	OBS	00989	03.75	34.92	27.77		1482.1							
	STD	01000	03.78	34.91	27.76	00.565	1482.4							
	OBS	01001	03.78	34.91	27.76		1482.4							
OBS	01047	03.75	34.92	27.77		1483.0								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0463	YEAR 1975	BOTOP 03513	AIR TEMP 04.8	DIR HGT PER	WIND-CIR 35	INST STD RECORDER	TEM SO 1306							
CONSEC 0101	MONTH 06	S-IP EV	WET BULB 05.7	00 X X	WIND-SPD 07	TRACE DIR	5 SQUARE 2							
LAT 44 21.0N	DAY 05	DATA USE 1	BARCHMETR 1009.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 047 56.8W	MOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 880	1 SQUARE 47							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGNA-T	DYNOPTR	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.8	STD	00000	04.86	33.75	26.48	00.000	1476.6							
	OBS	00001	04.86	33.75	26.48		1476.9							
	OBS	00003	04.86	33.75	26.48		1476.9							
	OBS	00009	04.51	33.85	26.60		1475.8							
	STD	00010	04.50	33.85	26.60	00.015	1475.7							
	OBS	00017	04.44	33.91	26.65		1475.8							
	STD	00020	04.50	33.93	26.66	00.029	1476.0							
	OBS	00022	04.67	33.98	26.68		1476.8							
	STD	00030	07.81	34.34	26.80	00.042	1481.8							
	OBS	00034	08.72	34.60	26.87		1485.7							
	OBS	00038	09.44	34.86	26.92		1489.6							
	OBS	00043	10.45	35.04	26.92		1492.8							
	OBS	00049	10.46	35.04	26.92		1492.9							
	STD	00050	10.50	35.05	26.92	00.067	1493.1							
	OBS	00055	10.84	35.13	26.92		1494.5							
	OBS	00070	11.25	35.26	26.95		1496.3							
	STD	00075	10.53	35.13	26.98	00.095	1493.7							
	OBS	00076	10.41	35.11	26.99		1493.3							
	OBS	00087	10.25	35.08	26.99		1492.8							
	OBS	00089	10.89	35.25	27.01		1495.4							
	OBS	00091	10.63	35.21	27.02		1494.4							
	OBS	00093	10.57	35.21	27.04		1494.2							
	OBS	00099	09.80	35.05	27.04		1491.7							
	STD	00100	09.80	35.05	27.05	00.122	1491.3							
	OBS	00106	09.75	35.06	27.06		1491.3							
	OBS	00119	09.57	35.07	27.10		1490.9							
	STD	00125	08.23	34.82	27.12	00.147	1485.6							
	OBS	00127	07.84	34.75	27.12		1486.1							
	OBS	00133	07.62	34.72	27.13		1483.3							
	OBS	00146	07.71	34.76	27.15		1483.9							
	STD	00150	07.54	34.71	27.14	00.171	1483.2							
	OBS	00150	07.52	34.71	27.14		1483.2							
	OBS	00177	07.31	34.73	27.18		1482.8							
	STD	00200	07.95	34.90	27.22	00.217	1485.5							
	OBS	00203	08.02	34.92	27.23		1486.2							
	OBS	00228	08.24	35.00	27.25		1487.7							
	OBS	00237	08.23	35.01	27.27		1487.7							
	OBS	00245	07.90	34.96	27.28		1486.5							
	STD	00250	07.89	34.96	27.28	00.261	1486.5							
	OBS	00258	07.81	34.96	27.29		1486.4							
	OBS	00276	07.44	34.95	27.33		1485.3							
	OBS	00283	07.31	34.93	27.34		1484.8							
	OBS	00285	07.01	34.85	27.32		1483.6							
	OBS	00298	06.50	34.81	27.36		1481.7							
	STD	00300	04.40	34.80	27.36	00.301	1481.3							
	OBS	00304	04.02	34.75	27.37		1479.8							
	OBS	00346	04.58	34.68	27.45		1476.2							
	OBS	00352	04.63	34.68	27.49		1474.9							
	OBS	00354	04.61	34.65	27.50		1474.8							
	OBS	00380	05.45	34.89	27.56		1479.8							
	STD	00400	05.32	34.88	27.57	00.365	1478.8							
	OBS	00445	05.02	34.87	27.59		1478.3							
	OBS	00464	05.48	34.97	27.62		1480.6							
	STD	00500	05.44	35.00	27.64	00.424	1481.1							
	OBS	00504	05.45	35.00	27.64		1481.2							
	OBS	00553	05.11	34.98	27.67		1480.6							
	STD	00600	04.89	35.00	27.71	00.474	1480.5							
	OBS	00603	04.88	35.00	27.71		1480.5							
	OBS	00656	04.84	35.01	27.72		1481.1							
	STD	00700	04.77	35.02	27.74	00.520	1481.7							
	OBS	00700	04.77	35.02	27.74		1481.7							
	OBS	00750	04.50	34.98	27.74		1481.3							
	STD	00800	04.32	34.97	27.75	00.564	1481.4							
	OBS	00801	04.32	34.97	27.75		1481.4							
	OBS	00852	04.25	34.96	27.75		1481.9							
	STD	00900	04.13	34.95	27.76	00.608	1482.2							
	OBS	00906	04.11	34.95	27.76		1482.2							
	OBS	00951	03.96	34.94	27.76		1482.4							
	STD	01000	03.80	34.91	27.76	00.652	1482.4							
	OBS	01007	03.78	34.91	27.76		1482.5							
OBS	01058	03.73	34.91	27.76		1483.1								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

R C C C S T A T I O N D A T A														
REFID 31 8443	YEAR 1975	SDTOP 03325	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 36	INST STD RECORDER	TEN SO 1306							
CONSEC 0102	MONTH 04	SHIP EV	MET BULB 05.3	00 X X	WIND-SPD 08	TRACE DIR 0	9 SQUARE 2							
LA* 44 21.0N	DAY 05	DATA USE 1	BAROMETER 1009.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 047 56.8W	HOUR 06.8	AREA 05	CLCUD T/A	CL/TB	WEATHER X2	ORIG 011 001	1 SQUARE 47							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	GRVC	PO4	TOT P	NO2	NO3	SIG3	PH
06.8	STD	00000	07.18	33.99	26.62	00.000	1478.4							
	OBS	00001	07.18	33.99	26.62		1478.5							
	OBS	00005	07.19	33.98	26.61		1478.6							
	OBS	00007	07.19	33.99	26.62		1478.6							
	STD	00010	07.07	34.01	26.65	00.014	1478.2							
	OBS	00017	06.88	34.08	26.73		1477.7							
	STD	00020	06.91	34.13	26.77	00.028	1477.9							
	OBS	00024	06.97	34.24	26.85		1478.4							
	OBS	00028	06.20	34.50	26.87		1483.5							
	STD	00030	06.32	34.55	26.86	00.040	1484.0							
	OBS	00032	06.40	34.63	26.91		1485.3							
	OBS	00038	09.65	34.85	26.91		1489.5							
	STD	00050	10.59	35.09	26.94	00.063	1493.4							
	OBS	00051	10.63	35.11	26.95		1493.6							
	OBS	00066	10.16	35.15	27.06		1492.3							
	OBS	00070	10.18	35.18	27.08		1492.4							
	OBS	00072	09.94	35.17	27.11		1491.6							
	STD	00075	09.97	35.16	27.10	00.090	1491.7							
	OBS	00076	09.98	35.16	27.10		1491.8							
	OBS	00083	08.55	34.82	27.12		1486.2							
	OBS	00085	08.51	34.87	27.11		1486.1							
	STD	00100	08.28	34.86	27.14	00.114	1485.4							
	OBS	00102	08.15	34.84	27.15		1485.0							
	OBS	00108	07.81	34.79	27.16		1485.7							
	STD	00125	07.72	34.83	27.20	00.137	1483.7							
	OBS	00125	07.72	34.83	27.20		1483.7							
	OBS	00148	07.99	34.91	27.22		1485.2							
	STD	00150	08.17	34.96	27.23	00.155	1486.0							
	OBS	00152	08.38	35.01	27.24		1486.5							
	OBS	00163	08.32	34.98	27.23		1486.8							
	OBS	00180	06.26	35.02	27.27		1487.0							
	OBS	00188	08.28	35.01	27.26		1487.1							
	OBS	00196	07.24	34.84	27.28		1485.0							
	STD	00200	07.16	34.82	27.27	00.202	1482.7							
	OBS	00201	07.12	34.81	27.27		1482.6							
	OBS	00226	06.60	34.81	27.34		1460.5							
	OBS	00243	05.75	34.72	27.38		1477.7							
	STD	00250	05.49	34.72	27.41	00.241	1476.7							
	OBS	00257	05.32	34.71	27.43		1476.2							
	OBS	00276	05.50	34.80	27.48		1477.3							
	OBS	00264	05.72	34.72	27.39	00.274	1478.9							
	STD	00300	05.77	34.86	27.49		1478.9							
	OBS	00302	05.77	34.86	27.49		1478.9							
	OBS	00312	05.67	34.86	27.50		1478.7							
	OBS	00317	05.13	34.81	27.53		1476.5							
	OBS	00352	04.54	34.76	27.56		1474.6							
	OBS	00380	04.89	34.87	27.61		1476.7							
	OBS	00362	05.34	34.96	27.62		1478.8							
	STD	00400	05.55	35.02	27.65	00.332	1479.9							
	OBS	00401	05.56	35.03	27.65		1480.0							
	OBS	00422	05.68	35.01	27.62		1480.8							
	OBS	00499	05.07	34.96	27.66		1479.5							
	STD	00500	04.99	34.96	27.67	00.382	1479.2							
	OBS	00500	04.93	34.96	27.67		1478.9							
	OBS	00550	04.60	34.93	27.70		1478.4							
	STD	00600	04.59	34.98	27.73	00.426	1479.2							
	OBS	00603	04.57	34.98	27.73		1479.2							
	OBS	00631	04.14	34.92	27.73		1478.1							
	OBS	00696	04.11	34.93	27.74		1478.7							
	STD	00700	04.11	34.92	27.74	00.473	1478.7							
	OBS	00702	04.11	34.92	27.73		1478.8							
	OBS	00751	04.42	34.99	27.75		1481.0							
	STD	00800	04.30	34.98	27.76	00.517	1481.3							
	OBS	00800	04.30	34.98	27.76		1481.3							
	OBS	00805	04.25	34.98	27.77		1481.2							
	OBS	00828	04.27	34.99	27.77		1481.7							
	STD	00900	04.16	34.98	27.77	00.560	1482.4							
	OBS	00900	04.16	34.98	27.77		1482.4							
	STD	01000	03.88	34.94	27.77	00.602	1482.6							
	OBS	01000	03.88	34.94	27.77		1482.8							
OBS	01050	03.80	34.94	27.78		1483.3								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
RSFID 31 8443	YEAR 1975	BOTOP 03211	AIR TEMP 05.2	DIR PCT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1306							
CONSEC 0103	MONTH 04	SHIP EV	WET BULB 05.0	02 0 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2							
LA* 44 20.0N	DAY 05	DATA USE 1	BAROMETER 1009.1	SEA	WIND-FOR	DURATICA 00.4	2 SQUARE 48							
LONG 048 14.3W	MOOR 05.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 882 13	1 SQUARE 48							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.17	34.34	26.75	00.000	1482.7							
09.5	OBS	00005	08.17	34.34	26.75		1482.8							
	STD	00010	08.18	34.36	26.76	00.013	1482.9							
	STD	00020	08.21	34.40	26.79	00.026	1483.3							
	OBS	00020	08.21	34.40	26.79		1483.3							
	STD	00030	08.33	34.54	26.89	00.038	1484.1							
	OBS	00032	08.42	34.58	26.90		1484.5							
	OBS	00043	09.23	34.76	26.91		1488.0							
	STD	00050	09.54	34.89	26.90	00.062	1490.8							
	OBS	00053	10.17	34.94	26.90		1491.8							
	OBS	00062	10.30	35.01	26.93		1492.5							
	OBS	00070	10.48	35.07	26.94		1493.4							
	STD	00075	10.25	35.11	27.01	00.090	1492.7							
	OBS	00076	10.20	35.12	27.03		1492.5							
	OBS	00079	10.07	35.07	27.01		1492.0							
	OBS	00057	09.07	34.96	27.10		1488.5							
	STD	00100	08.83	34.63	27.11	00.115	1487.6							
	OBS	00102	08.60	34.50	27.12		1486.8							
	OBS	00104	07.90	34.79	27.14		1484.0							
	OBS	00116	07.56	34.78	27.19		1482.8							
	STD	00125	07.21	34.72	27.19	00.139	1481.6							
	OBS	00125	07.10	34.70	27.19		1481.1							
	OBS	00127	06.67	34.62	27.19		1479.3							
	OBS	00129	06.83	34.68	27.21		1480.1							
	OBS	00133	06.69	34.64	27.20		1479.5							
	OBS	00139	04.21	34.30	27.23		1469.1							
	OBS	00144	04.23	34.32	27.24		1469.3							
	STD	00150	04.00	34.30	27.25	00.161	1468.4							
	OBS	00154	03.82	34.27	27.25		1467.7							
	OBS	00156	03.43	34.25	27.27		1466.0							
	OBS	00163	03.44	34.26	27.28		1466.2							
	OBS	00171	02.42	34.22	27.34		1461.9							
	OBS	00173	02.43	34.23	27.34		1461.9							
	OBS	00178	02.26	34.22	27.35		1461.3							
	OBS	00196	02.97	34.40	27.43		1464.5							
	STD	00200	02.76	34.38	27.44	00.195	1464.0							
	OBS	00201	02.67	34.38	27.44		1463.7							
	OBS	00226	02.32	34.44	27.52		1462.6							
	OBS	00243	02.46	34.48	27.54		1463.6							
	OBS	00245	03.14	34.55	27.57		1466.8							
	STD	00250	03.14	34.55	27.56	00.225	1466.8							
	OBS	00253	03.16	34.58	27.56		1466.9							
	OBS	00262	03.19	34.59	27.56		1467.2							
	OBS	00276	03.64	34.68	27.59		1469.5							
	OBS	00283	03.54	34.68	27.60		1469.2							
	STD	00300	03.91	34.73	27.61	00.256	1471.1							
	OBS	00304	04.02	34.75	27.61		1471.6							
	OBS	00312	03.77	34.72	27.61		1470.7							
	OBS	00325	03.41	34.69	27.62		1469.3							
	OBS	00336	02.76	34.61	27.62		1466.6							
	OBS	00352	02.84	34.67	27.66		1467.3							
	OBS	00365	03.52	34.79	27.69		1470.6							
	STD	00400	04.38	34.93	27.72	00.303	1474.9							
	OBS	00401	04.41	34.94	27.72		1475.1							
	OBS	00451	04.62	34.57	27.72		1476.8							
	STD	00500	04.68	35.00	27.73	00.346	1477.9							
	OBS	00503	04.68	35.00	27.73		1477.9							
	OBS	00552	04.70	35.02	27.75		1478.9							
	STD	00600	04.61	35.02	27.76	00.385	1479.3							
	OBS	00603	04.61	35.02	27.76		1479.4							
	OBS	00656	04.57	35.02	27.76		1480.1							
	STD	00700	04.45	35.00	27.76	00.431	1480.3							
	OBS	00700	04.45	35.00	27.76		1480.3							
	OBS	00750	04.38	35.00	27.77		1480.8							
	STD	00800	04.31	35.00	27.77	00.473	1481.4							
	OBS	00805	04.30	35.00	27.78		1481.4							
	OBS	00852	04.25	34.99	27.77		1482.0							
	STD	00900	04.18	34.99	27.78	00.515	1482.5							
	OBS	00902	04.18	34.99	27.78		1482.5							
	OBS	00951	04.12	34.99	27.79		1483.1							
	STD	01000	04.08	34.97	27.78	00.557	1483.7							
	OBS	01005	04.07	34.97	27.78		1483.7							
	OBS	01050	04.02	34.97	27.78		1484.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA														
REFID 31 0463	YEAR 1975	BOYDP 02560	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEM 50 1306							
CONSEC 0104	MONTH 06	SHIP EV	MET BULB 04.0	02 0 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2							
LAT 44 20.5N	DAY 05	DATA USE 1	BAROMETER 1008.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48							
LONG 048 38.0W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 003 12	1 SQUARE 48							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
STD 00000		03.19	33.53	33.53	26.72	00.000	1461.4							
OBS 00005		03.19	33.53	33.53	26.72		1461.5							
STD 00010		03.20	33.59	33.59	26.77	00.013	1461.7							
OBS 00013		03.21	33.62	33.62	26.79		1461.9							
OBS 00013		02.96	33.63	33.63	26.82		1460.8							
STD 00020		02.92	33.67	33.67	26.85	00.024	1460.8							
STD 00030		02.84	33.75	33.75	26.92	00.037	1460.7							
OBS 00030		02.84	33.75	33.75	26.92		1460.7							
STD 00050		02.74	33.87	33.87	27.03	00.055	1460.8							
OBS 00057		02.70	33.96	33.96	27.10		1460.8							
OBS 00060		02.13	34.02	34.02	27.20		1458.5							
OBS 00066		01.77	34.11	34.11	27.30		1457.1							
STD 00075		01.67	34.18	34.18	27.37	00.081	1456.9							
OBS 00079		01.65	34.22	34.22	27.40		1457.0							
STD 00100		01.80	34.30	34.30	27.44	00.095	1458.1							
OBS 00100		01.81	34.30	34.30	27.45		1458.1							
STD 00125		02.03	34.44	34.44	27.54	00.114	1459.7							
OBS 00125		02.03	34.44	34.44	27.54		1459.7							
STD 00150		02.22	34.45	34.45	27.57	00.127	1461.0							
OBS 00150		02.22	34.49	34.49	27.57		1461.0							
OBS 00175		02.53	34.61	34.61	27.64		1462.9							
STD 00200		02.67	34.63	34.63	27.64	00.153	1464.0							
OBS 00201		02.67	34.63	34.63	27.64		1464.0							
OBS 00226		02.62	34.64	34.64	27.65		1464.2							
STD 00250		02.66	34.68	34.68	27.68	00.175	1464.8							
OBS 00251		02.67	34.68	34.68	27.68		1464.5							
OBS 00274		02.82	34.70	34.70	27.68		1465.5							
OBS 00283		02.84	34.72	34.72	27.70		1466.2							
OBS 00289		02.91	34.72	34.72	27.65		1466.6							
OBS 00298		03.19	34.78	34.78	27.71		1468.0							
STD 00300		03.22	34.78	34.78	27.71	00.197	1468.2							
OBS 00300		03.24	34.78	34.78	27.71		1468.3							
OBS 00350		03.52	34.83	34.83	27.72		1470.4							
STD 00400		03.65	34.87	34.87	27.74	00.238	1471.8							
OBS 00401		03.66	34.87	34.87	27.74		1471.5							
OBS 00453		03.93	34.91	34.91	27.74		1473.5							
STD 00500		03.95	34.92	34.92	27.75	00.278	1474.8							
OBS 00502		03.95	34.92	34.92	27.75		1474.8							
OBS 00550		03.87	34.92	34.92	27.76		1475.3							
STD 00600		03.82	34.92	34.92	27.76	00.318	1475.5							
OBS 00601		03.82	34.92	34.92	27.76		1475.5							
OBS 00652		03.71	34.91	34.91	27.77		1476.3							
STD 00700		03.66	34.90	34.90	27.76	00.355	1476.9							
OBS 00704		03.66	34.90	34.90	27.76		1476.9							
OBS 00753		03.64	34.90	34.90	27.77		1477.7							
STD 00800		03.64	34.91	34.91	27.77	00.395	1478.4							
OBS 00809		03.64	34.91	34.91	27.77		1478.4							
OBS 00858		03.64	34.91	34.91	27.77		1479.4							
STD 00900		03.64	34.91	34.91	27.77	00.440	1480.1							
OBS 00902		03.64	34.91	34.91	27.77		1480.1							
OBS 00951		03.61	34.91	34.91	27.78		1480.8							
STD 01000		03.57	34.90	34.90	27.77	00.482	1481.5							
OBS 01003		03.57	34.90	34.90	27.77		1481.5							
OBS 01054		03.55	34.90	34.90	27.77		1482.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8443	YEAR 1973	BOTDP 00325	AIR TEMP 06.0	DIA HGT PER	WIND-DIR 03	INST STD RECORDER	VEN SO 1304
CONSEC 0105	MONTH 04	SHIP EV	NET BULB 06.0	03 1 2	WIND-SPD 09	TRACE DIR 0	S SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BAROMETR 1008.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 40
LONG 048 31.0W	MOUR 13.0	AREA 05	CLCUO T/A	CL/TR	WEATHER X4	ORIG CII 004 10	1 SQUARE 40

CASHTM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
	STD	00000	02.48	33.27	26.57		1458.0							
13.0	OBS	00003	02.48	33.27	26.57	00.000	1458.1							
	STD	00010	02.29	33.37	26.47	00.014	1457.5							
	OBS	00011	02.26	33.39	26.69		1457.4							
	OBS	00017	02.23	33.42	26.71		1457.4							
	OBS	00019	00.81	33.27	26.69		1450.5							
	STD	00020	00.78	33.29	26.70	00.028	1450.8							
	OBS	00024	00.65	33.33	26.75		1450.3							
	OBS	00026	00.24	33.33	26.77		1448.4							
	STD	00030	00.32	33.35	26.78	00.041	1449.0							
	OBS	00036	00.41	33.38	26.80		1449.5							
	OBS	00047	00.47	33.39	26.81		1450.0							
	STD	00050	00.78	33.47	26.85	00.066	1451.5							
	OBS	00053	01.03	33.54	26.89		1452.8							
	OBS	00057	01.08	33.55	26.90		1453.1							
	OBS	00060	00.69	33.51	26.89		1451.4							
	OBS	00064	00.45	33.55	26.93		1450.6							
	OBS	00066	00.78	33.63	26.98		1452.0							
	OBS	00070	00.31	33.66	27.03		1450.0							
	STD	00075	01.04	33.76	27.07	00.093	1453.4							
	OBS	00078	01.45	33.82	27.05		1455.5							
	STD	00100	01.70	33.95	27.17	00.117	1457.1							
	OBS	00102	01.73	34.01	27.22		1457.4							
	OBS	00104	02.04	34.06	27.24		1458.9							
	OBS	00110	01.74	34.07	27.27		1457.7							
	OBS	00116	01.83	34.11	27.29		1458.2							
	STD	00125	01.65	34.12	27.32	00.138	1457.4							
	OBS	00125	01.64	34.14	27.33		1457.6							
	OBS	00127	01.59	34.22	27.40		1457.5							
	STD	00150	01.98	34.33	27.46	00.156	1459.7							
	OBS	00150	01.99	34.33	27.46		1459.8							
	OBS	00177	02.19	34.43	27.52		1461.2							
	STD	00200	02.27	34.52	27.58	00.185	1462.1							
	OBS	00203	02.30	34.53	27.59		1462.3							
	OBS	00230	02.60	34.64	27.66		1464.2							
	STD	00250	02.89	34.71	27.69	00.205	1465.9							
	OBS	00253	02.92	34.72	27.69		1466.1							
	OBS	00281	03.00	34.74	27.70		1466.9							
	STD	00300	03.02	34.75	27.70	00.230	1467.3							
	OBS	00304	03.02	34.75	27.71		1467.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 00075	AIR TEMP 04.8	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0106	MONTH 06	SHIP EV	WET BULB 04.0	95 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BAROMETER 1006.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 08.0W	HOUR 14.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 885 15	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	STD	00000	01.95	32.97	26.37	00.000	1455.3							
	OBS	00001	01.95	32.97	26.37		1455.3							
	OBS	00005	01.85	32.98	26.39		1454.5							
	OBS	00007	01.95	32.93	26.38		1455.1							
	STD	00010	01.35	32.94	26.41	00.016	1452.9							
	OBS	00011	01.35	32.97	26.42		1452.8							
	OBS	00017	01.10	32.94	26.41		1451.7							
	OBS	00019	00.53	32.99	26.48		1449.2							
	STD	00020	00.41	33.02	26.51	00.032	1448.7							
	OBS	00020	00.31	33.04	26.53		1448.3							
	STD	00030	00.06	33.05	26.55	00.047	1447.3							
	OBS	00030	00.02	33.06	26.56		1447.2							
	OBS	00034	- 0.33	33.16	26.66		1445.8							
	STD	00050	- 0.40	33.15	26.65	00.076	1445.7							
	OBS	00051	- 0.41	33.15	26.65		1445.7							
	OBS	00060	- 0.47	33.16	26.66		1445.6							
	OBS	00068	- 0.45	33.17	26.67		1445.8							

REFID 31 8463	YEAR 1975	BOTDP 00053	AIR TEMP 07.0	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0107	MONTH 06	SHIP EV	WET BULB 05.0	02 1 5	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BAROMETER 1004.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 13.0W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 886 11	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.3	STD	00000	02.15	32.99	26.37	00.000	1456.2							
	OBS	00001	02.15	32.99	26.37		1456.2							
	STD	00010	02.01	32.98	26.36	00.017	1455.7							
	OBS	00011	01.89	32.94	26.37		1455.2							
	OBS	00015	01.43	32.95	26.39		1453.2							
	OBS	00017	00.81	33.05	26.51		1450.6							
	OBS	00019	00.53	33.06	26.53		1451.2							
	STD	00020	01.13	33.09	26.52	00.033	1452.1							
	OBS	00020	01.25	33.09	26.52		1452.7							
	OBS	00022	01.30	33.09	26.51		1452.5							
	OBS	00024	00.86	33.09	26.55		1450.1							
	STD	00030	00.45	33.10	26.56	00.048	1450.1							
	OBS	00030	00.45	33.10	26.56		1450.1							
	OBS	00034	00.66	33.08	26.55		1450.2							
	OBS	00043	00.15	33.14	26.62		1448.1							

REFID 31 8463	YEAR 1975	BOTDP 00062	AIR TEMP 07.6	DIR MGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0108	MONTH 06	SHIP EV	WET BULB 05.7	99 X X	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 44 35.0N	DAY 05	DATA USE 1	BAROMETER 1004.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 13.0W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 887	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.1	STD	00000	02.00	32.94	26.35	00.000	1455.4							
	OBS	00001	02.00	32.94	26.35		1455.5							
	OBS	00005	01.62	32.90	26.32		1455.1							
	STD	00010	01.71	32.94	26.37	00.017	1454.3							
	OBS	00011	01.63	32.95	26.38		1454.0							
	OBS	00015	01.41	32.96	26.40		1453.1							
	STD	00020	00.99	32.96	26.43	00.033	1451.3							
	OBS	00022	00.68	32.96	26.45		1449.5							
	OBS	00024	00.44	32.99	26.49		1448.9							
	STD	00030	00.42	32.98	26.48	00.049	1448.9							
	OBS	00030	00.42	32.98	26.48		1448.9							
	STD	00050	- 0.03	33.09	26.54	00.075	1447.3							
	OBS	00051	- 0.05	33.09	26.59		1447.3							
	OBS	00055	- 0.08	33.10	26.60		1447.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MDDC STATION DATA

REFID 31 0463	YEAR 1975	ROTOP 00520	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEM SQ 1306
COMSEC 0109	MONTH 06	SHIP RV	NET BULB 00.1	03 1 5	WIND-SPD 11	TRACE DIA 0	5 SQUARE 2
LAT 44 35.0N	DAY 05	DATA USE 1	BAROMETR 1004.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 069 05.2W	MOOR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 808 12	1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNC VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	STD	00000	00.75	32.88	26.38	00.000	1449.8							
	OBS	00003	00.75	32.88	26.38		1449.8							
	STD	00010	00.67	32.88	26.38	00.017	1449.6							
	OBS	00011	00.65	32.88	26.39		1449.5							
	OBS	00013	00.62	32.87	26.38		1449.4							
	STD	00020	00.24	32.67	26.48	00.033	1447.9							
	OBS	00020	00.11	32.67	26.49		1447.3							
	OBS	00022	- 0.24	32.96	26.49		1445.7							
	STD	00030	- 0.84	33.09	26.62	00.048	1443.2							
	OBS	00030	- 0.88	33.10	26.63		1443.1							
	OBS	00034	- 1.26	33.18	26.71		1441.5							
	OBS	00040	- 1.32	33.22	26.74		1441.3							
	STD	00050	- 1.29	33.25	26.76	00.075	1441.7							
	OBS	00051	- 1.28	33.25	26.77		1441.8							
	STD	00075	- 0.93	33.33	26.82	00.106	1443.9							
	OBS	00076	- 0.92	33.33	26.82		1444.0							
	STD	00100	- 0.83	33.45	26.91	00.136	1445.0							
	OBS	00100	- 0.82	33.45	26.91		1445.0							
	STD	00125	- 0.54	33.49	26.93	00.164	1446.8							
	OBS	00125	- 0.53	33.49	26.93		1446.8							
	STD	00150	- 0.41	33.54	26.97	00.192	1447.8							
	OBS	00152	- 0.39	33.55	26.98		1448.0							
	OBS	00175	- 0.07	33.65	27.04		1450.0							
	STD	00200	00.16	33.73	27.10	00.244	1451.5							
	OBS	00201	00.25	33.77	27.12		1452.1							
	OBS	00211	00.92	34.02	27.28		1455.6							
	OBS	00224	01.19	34.12	27.35		1457.2							
	OBS	00249	01.50	34.23	27.41		1459.1							
	STD	00250	01.53	34.25	27.43	00.285	1459.3							
	OBS	00253	01.70	34.34	27.49		1460.2							
	OBS	00276	02.20	34.47	27.55		1463.0							
	STD	00300	02.51	34.57	27.61	00.314	1464.9							
	OBS	00302	02.54	34.58	27.61		1465.0							
	OBS	00352	02.60	34.66	27.65		1467.1							
	STD	00400	02.93	34.70	27.67	00.363	1468.5							
	OBS	00403	02.94	34.70	27.67		1468.6							
	OBS	00451	03.07	34.75	27.70		1470.0							
	OBS	00498	03.25	34.79	27.72		1471.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
REFID 31 0443	YEAR 1975	BOTOP 01717	AIR TEMP 04.1	DIR +GT PER	WIND-DIR 04	INST STC RECORDER	TEM SO 1304							
CONSEC 3110	MONTH 04	SHIP EV	WET BULB 04.0	04 2 2	WIND-SPD 14	TRACE DIR	5 SQUARE 2							
LAT 44 34.1N	DAY 05	DATA USE 1	BAROMETR 1004.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 40							
LONG 040 52.0W	MOOR 16.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 809	1 SQUARE 40							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PD4	TOT P	MO2	MO3	SIO3	PH
19.4	STD	00000	02.40	33.28	26.57	00.000	1458.5							
	OBS	00001	02.40	33.28	26.57		1458.6							
	STD	00010	02.50	33.28	26.58	00.015	1458.3							
	OBS	00011	02.40	33.28	26.58		1458.2							
	OBS	00015	00.89	33.19	26.62		1451.1							
	OBS	00019	00.72	33.22	26.65		1450.4							
	STD	00020	00.61	33.22	26.66	00.025	1449.9							
	OBS	00020	00.51	33.22	26.67		1449.5							
	OBS	00022	00.32	33.29	26.73		1448.8							
	STD	00030	00.64	33.35	26.76	00.042	1450.5							
	OBS	00030	00.67	33.35	26.76		1450.6							
	OBS	00043	00.31	33.40	26.82		1449.2							
	OBS	00047	00.69	33.46	26.85		1451.1							
	STD	00050	00.63	33.46	26.86	00.067	1450.8							
	OBS	00053	00.54	33.47	26.87		1450.5							
	OBS	00055	00.35	33.42	26.84		1449.6							
	OBS	00059	- 0.82	33.37	26.85		1444.2							
	OBS	00062	- 1.14	33.46	26.93		1442.5							
	OBS	00064	- 0.88	33.56	27.00		1444.3							
	OBS	00068	01.69	33.79	27.05		1456.4							
	OBS	00070	01.87	33.80	27.04		1457.2							
	OBS	00072	02.48	33.87	27.03		1460.5							
	STD	00075	02.71	33.85	27.02	00.096	1461.0							
	OBS	00076	02.73	33.85	27.01		1461.1							
	OBS	00083	02.96	33.90	27.03		1462.3							
	OBS	00089	02.05	33.88	27.06		1458.4							
	OBS	00093	01.66	33.87	27.11		1456.7							
	OBS	00095	01.25	33.88	27.15		1455.0							
	STD	00100	00.92	33.90	27.19	00.120	1453.6							
	OBS	00100	00.88	33.91	27.20		1453.4							
	OBS	00112	01.04	34.08	27.33		1454.6							
	OBS	00114	01.45	34.16	27.36		1456.6							
	STD	00125	01.69	34.21	27.38	00.140	1457.9							
	OBS	00127	01.74	34.22	27.39		1458.1							
	STD	00150	02.08	34.41	27.51	00.156	1460.3							
	OBS	00150	02.08	34.41	27.51		1460.3							
	OBS	00175	02.27	34.50	27.57		1461.6							
	STD	00200	02.30	34.51	27.58	00.184	1462.2							
	OBS	00203	02.31	34.52	27.58		1462.3							
	OBS	00226	02.44	34.57	27.61		1463.3							
	STD	00250	02.45	34.58	27.62	00.210	1463.8							
	OBS	00251	02.46	34.58	27.62		1463.8							
	OBS	00276	02.84	34.67	27.66		1466.0							
	STD	00300	02.94	34.71	27.68	00.233	1466.9							
	OBS	00300	02.94	34.71	27.68		1466.9							
	OBS	00350	03.27	34.77	27.70		1469.2							
	OBS	00373	03.39	34.80	27.71		1470.2							
	STD	00400	03.46	34.82	27.72	00.276	1470.9							
	OBS	00400	03.46	34.82	27.72		1470.9							
	OBS	00450	03.51	34.82	27.71		1472.0							
	STD	00500	03.51	34.83	27.72	00.318	1472.8							
	OBS	00500	03.51	34.83	27.72		1472.8							
	STD	00600	03.51	34.84	27.73	00.361	1474.5							
	OBS	00600	03.51	34.84	27.73		1474.5							
	STD	00700	03.50	34.83	27.72	00.404	1476.1							
	OBS	00700	03.50	34.83	27.72		1476.1							
	STD	00800	03.50	34.83	27.72	00.445	1477.7							
	OBS	00800	03.50	34.83	27.72		1477.7							
	STD	00900	03.50	34.83	27.72	00.494	1479.4							
	OBS	00900	03.50	34.83	27.72		1479.4							
	STD	01000	03.49	34.82	27.72	00.540	1481.0							
	OBS	01000	03.49	34.82	27.72		1481.0							
	OBS	01050	03.49	34.82	27.72		1481.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 02386	AIR TEMP 04.5	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SO 1306
CONSEC 0111	MONTH 06	SHIP EV	WET BULB 04.5	03 3 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 44 35.3N	DAY 05	DATA USE 1	BAROMETER 1002.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 38.8W	HOUR 23.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 890	1 SQUARE 48

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT_P	NO2	NO3	SIO3	PH
23.3	STD	00000	03.39	33.40	26.60	00.000	1462.1							
	OBS	00001	03.39	33.40	26.60		1462.1							
	STD	00010	03.03	33.36	26.60	00.015	1460.7							
	OBS	00011	02.87	33.35	26.60		1460.0							
	OBS	00013	02.61	33.37	26.64		1458.9							
	STD	00020	02.52	33.40	26.68	00.025	1458.7							
	OBS	00020	02.51	33.41	26.68		1458.7							
	STD	00030	02.46	33.46	26.73	00.042	1458.7							
	OBS	00030	02.39	33.47	26.74		1458.4							
	OBS	00032	02.07	33.51	26.80		1457.1							
	OBS	00036	01.85	33.60	26.88		1456.3							
	STD	00050	01.62	33.94	27.17	00.064	1455.5							
	OBS	00051	01.61	33.57	27.20		1456.0							
	STD	00075	01.91	34.27	27.42	00.084	1458.1							
	OBS	00076	01.93	34.28	27.42		1458.2							
	STD	00100	02.40	34.46	27.52	00.100	1460.9							
	OBS	00100	02.41	34.46	27.53		1461.0							
	STD	00125	02.32	34.52	27.58	00.114	1461.1							
	OBS	00125	02.32	34.52	27.58		1461.1							
	STD	00150	02.32	34.54	27.60	00.126	1461.5							
	OBS	00150	02.32	34.54	27.60		1461.5							
	OBS	00175	02.42	34.59	27.63		1462.4							
	STD	00200	02.62	34.62	27.64	00.151	1463.7							
	OBS	00201	02.65	34.63	27.64		1463.5							
	OBS	00226	03.37	34.75	27.67		1467.6							
	STD	00250	03.38	34.77	27.69	00.174	1468.0							
	OBS	00251	03.41	34.78	27.69		1468.2							
	OBS	00260	03.73	34.84	27.71		1469.8							
	OBS	00276	03.95	34.86	27.70		1471.0							
	STD	00300	03.96	34.87	27.71	00.195	1471.5							
	OBS	00300	03.96	34.87	27.71		1471.5							
	OBS	00350	03.82	34.88	27.73		1471.7							
	STD	00400	03.77	34.89	27.74	00.236	1472.3							
	OBS	00403	03.77	34.89	27.74		1472.4							
	OBS	00453	03.77	34.90	27.75		1473.2							
	STD	00500	03.80	34.91	27.76	00.276	1474.1							
	OBS	00500	03.80	34.91	27.76		1474.1							
	OBS	00552	03.70	34.50	27.76		1474.6							
	STD	00600	03.71	34.90	27.76	00.316	1475.4							
	OBS	00601	03.71	34.90	27.76		1475.4							
	OBS	00651	03.68	34.91	27.77		1476.1							
	STD	00700	03.71	34.91	27.77	00.356	1477.1							
	OBS	00704	03.71	34.91	27.77		1477.1							
	OBS	00750	03.70	34.91	27.77		1477.9							
	STD	00800	03.70	34.91	27.77	00.397	1478.7							
	OBS	00801	03.70	34.91	27.77		1478.7							
	OBS	00850	03.66	34.91	27.77		1479.4							
	STD	00900	03.66	34.91	27.77	00.435	1480.2							
	OBS	00902	03.66	34.91	27.77		1480.2							
	OBS	00953	03.64	34.91	27.77		1481.0							
	STD	01000	03.62	34.91	27.78	00.480	1481.7							
	OBS	01001	03.62	34.91	27.78		1481.7							
	OBS	01050	03.55	34.90	27.77		1482.2							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA															
REFID 31 8463	YEAR 1975	BOTOP 02911	AIR TEMP 06.3	DIR PGT PER	WIND-DIR 02	INST STD RECORDER	TEN SO 1306								
CONSEC 0112	MONTH 06	SHIP EV	WET BULB 05.9	01 2 2	WIND-SPD 18	TRACE CIR	5 SQUARE 2								
LAT 44 35.0N	DAY 06	DATA USE 1	BAROMETER 1004.2	SEA	WIND-FOR	DURATION 01.3	2 SQUARE 48								
LONG 048 24.0W	MOOR 02.1	AREA 05	CLOUD T/A	CL/7R	WEATHER X1	ORIG 011 891	1 SQUARE 48								
CASHTNR/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH	
	STD	00000	04.15	33.54	26.63	00.000	1465.5								
02.1	OBS	00003	04.15	33.54	26.63		1465.6								
	STD	00010	04.12	33.54	26.64	00.014	1465.6								
	OBS	00011	04.11	33.54	26.64		1465.5								
	OBS	00015	04.06	33.55	26.65		1465.4								
	OBS	00019	02.71	33.37	26.63		1459.4								
	STD	00020	02.57	33.42	26.65	00.028	1458.6								
	OBS	00020	02.46	33.46	26.73		1458.5								
	STD	00030	02.34	33.51	26.77	00.041	1458.2								
	OBS	00030	02.34	33.51	26.78		1458.2								
	STD	00050	02.33	33.65	26.89	00.066	1458.7								
	OBS	00051	02.33	33.64	26.90		1458.7								
	STD	00075	02.25	33.90	27.05	00.093	1459.1								
	OBS	00076	02.24	33.91	27.10		1459.1								
	STD	00100	01.79	34.03	27.24	00.116	1457.7								
	OBS	00100	01.78	34.04	27.24		1457.6								
	OBS	00116	01.56	34.18	27.37		1457.1								
	STD	00125	01.68	34.24	27.41	00.135	1457.5								
	OBS	00125	01.69	34.24	27.41		1457.6								
	STD	00150	01.84	34.36	27.49	00.151	1459.2								
	OBS	00150	01.85	34.36	27.49		1459.2								
	OBS	00161	02.14	34.43	27.53		1460.8								
	OBS	00165	02.51	34.52	27.57		1462.6								
	OBS	00173	02.23	34.47	27.55		1461.4								
	OBS	00175	02.23	34.47	27.55		1461.4								
	STD	00200	02.35	34.51	27.57	00.180	1462.4								
	OBS	00203	02.37	34.52	27.58		1462.4								
	OBS	00226	02.45	34.57	27.61		1463.4								
	STD	00250	02.56	34.62	27.65	00.205	1464.3								
	OBS	00253	02.57	34.63	27.65		1464.4								
	OBS	00276	02.67	34.65	27.66		1465.3								
	OBS	00287	02.86	34.68	27.68		1466.3								
	STD	00300	04.11	34.89	27.71	00.227	1472.1								
	OBS	00302	04.32	34.52	27.71		1473.1								
	OBS	00352	04.72	34.57	27.71		1475.6								
	STD	00400	04.55	34.96	27.72	00.270	1475.7								
	OBS	00401	04.55	34.96	27.72		1475.7								
	OBS	00411	04.54	34.96	27.72		1475.8								
	STD	00500	04.51	34.96	27.73	00.314	1477.2								
	OBS	00588	04.19	34.97	27.76		1477.3								
	OBS	00593	04.16	34.96	27.76		1477.3								
	STD	00600	04.18	34.96	27.76	00.356	1477.4								
	OBS	00601	04.18	34.96	27.76		1477.5								
	OBS	00651	04.04	34.94	27.76		1477.7								
	STD	00700	03.77	34.92	27.77	00.397	1477.3								
	OBS	00700	03.77	34.92	27.77		1477.4								
	OBS	00750	03.93	34.94	27.77		1478.9								
	STD	00800	03.66	34.90	27.76	00.438	1478.5								
	OBS	00801	03.66	34.90	27.76		1478.5								
	OBS	00850	03.77	34.92	27.77		1479.5								
	STD	00900	03.63	34.90	27.77	00.479	1480.1								
	OBS	00904	03.62	34.90	27.77		1480.1								
	OBS	00955	03.52	34.88	27.76		1480.5								
	STD	01000	03.52	34.89	27.77	00.521	1481.2								
	OBS	01001	03.52	34.89	27.77		1481.3								
	OBS	01031	03.52	34.89	27.77		1481.8								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8443	YEAR 1975	BOTOP 03209	AIR TEMP 05.6	DIR MGT PER	WIND-DIR 03	INST STD RECORDER	TEN SO 1306							
CONSEC 0113	MONTH 04	SHIP EV	NET BULB 05.5	04 4 5	WIND-SPD 19	TRACE CIR D	5 SQUARE 2							
LAT 44 35.0N	DAY 04	DATA USE 1	BAROMETR 1003.7	SEA	WIND-FCR	DURATION 00.4	2 SQUARE 48							
LONG 048 10.0W	MOOR 04.1	AREA 05	CLCUD T/A	CL/TR	WEATHER X0	ORIG C11 892	1 SQUARE 48							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.1	STD	00000	07.37	34.02	26.62	00.000	1479.2							
	OBS	00003	07.37	34.02	26.62		1479.3							
	OBS	00005	07.36	34.02	26.62		1479.3							
	STD	00010	07.46	34.08	26.65	00.014	1479.8							
	OBS	00011	07.50	34.10	26.66		1480.0							
	STD	00020	07.77	34.32	26.79	00.028	1481.5							
	OBS	00020	07.80	34.34	26.81		1481.6							
	OBS	00022	07.86	34.38	26.83		1482.0							
	STD	00030	08.72	34.60	26.87	00.040	1485.6							
	OBS	00030	08.77	34.61	26.87		1485.8							
	STD	00050	09.04	34.70	26.89	00.064	1487.3							
	OBS	00053	09.09	34.71	26.90		1487.5							
	OBS	00057	09.03	34.68	26.88		1487.3							
	STD	00075	10.07	35.02	26.98	00.092	1491.9							
	OBS	00076	10.11	35.03	26.98		1492.1							
	OBS	00081	10.30	35.03	26.94		1492.9							
	OBS	00083	10.07	35.00	26.96		1492.0							
	OBS	00087	09.42	34.55	27.00		1490.4							
	OBS	00089	09.53	35.02	27.07		1490.2							
	OBS	00091	09.78	35.10	27.09		1491.2							
	OBS	00095	09.63	35.05	27.07		1490.7							
	STD	00100	09.13	34.95	27.07	00.119	1488.8							
	OBS	00100	09.05	34.93	27.07		1488.5							
	OBS	00110	08.31	34.86	27.14		1485.7							
	OBS	00114	07.78	34.76	27.14		1483.6							
	STD	00125	07.54	34.76	27.17	00.143	1482.5							
	OBS	00125	07.52	34.76	27.18		1482.8							
	OBS	00148	06.78	34.68	27.22		1480.2							
	STD	00150	06.82	34.69	27.22	00.166	1480.4							
	OBS	00150	06.83	34.69	27.22		1480.4							
	OBS	00156	05.63	34.46	27.19		1475.4							
	OBS	00165	04.10	34.26	27.21		1469.0							
	OBS	00169	03.48	34.21	27.23		1468.4							
	OBS	00171	03.42	34.22	27.25		1466.2							
	OBS	00175	03.45	34.28	27.27		1467.3							
	OBS	00182	02.30	34.22	27.35		1461.5							
	OBS	00186	02.57	34.26	27.35		1462.8							
	OBS	00190	02.50	34.29	27.36		1462.6							
	OBS	00194	02.85	34.32	27.38		1464.2							
	STD	00200	02.67	34.31	27.38	00.205	1463.5							
	OBS	00203	02.61	34.30	27.38		1463.3							
	OBS	00217	02.76	34.41	27.46		1464.3							
	OBS	00220	03.33	34.49	27.47		1467.0							
	OBS	00226	04.62	34.69	27.49		1472.8							
	STD	00250	04.05	34.60	27.49	00.239	1470.7							
	OBS	00251	04.04	34.60	27.49		1470.6							
	OBS	00258	04.00	34.59	27.48		1470.6							
	OBS	00264	03.68	34.58	27.51		1469.3							
	OBS	00270	03.57	34.58	27.52		1468.5							
	OBS	00276	03.16	34.53	27.52		1467.2							
	OBS	00281	03.23	34.60	27.57		1467.7							
	OBS	00287	03.57	34.64	27.57		1469.3							
	STD	00300	03.70	34.66	27.57	00.265	1470.1							
	OBS	00300	03.70	34.66	27.57		1470.1							
	OBS	00302	03.70	34.66	27.57		1470.1							
	OBS	00310	02.80	34.53	27.55		1466.2							
	OBS	00348	02.71	34.63	27.64		1466.6							
	OBS	00352	02.85	34.67	27.65		1467.5							
	OBS	00373	02.82	34.69	27.68		1467.6							
	OBS	00380	03.07	34.71	27.67		1468.8							
	STD	00400	03.33	34.76	27.68	00.315	1470.3							
	OBS	00401	03.34	34.76	27.68		1470.4							
	OBS	00451	03.32	34.78	27.70		1471.1							
	STD	00500	03.57	34.84	27.72	00.363	1473.0							
	OBS	00500	03.57	34.84	27.72		1473.1							
	OBS	00546	04.04	34.95	27.76		1476.0							
	OBS	00550	04.07	34.93	27.74		1476.1							
	STD	00600	04.05	34.93	27.75	00.405	1476.5							
	OBS	00640	03.98	34.93	27.75		1477.6							
	STD	00700	03.91	34.93	27.76	00.447	1477.9							
	OBS	00700	03.91	34.93	27.76		1478.0							
	STD	00800	03.91	34.93	27.76	00.488	1479.6							
	OBS	00801	03.91	34.93	27.76		1479.6							
	STD	00900	03.85	34.93	27.77	00.531	1481.0							
	OBS	00904	03.84	34.93	27.77		1481.0							
	STD	01000	03.66	34.90	27.76	00.573	1481.9							
	OBS	01005	03.66	34.90	27.76		1481.5							
	OBS	01048	03.64	34.90	27.77		1482.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATICA DATA

REFID 31 0463 YEAR 1975 BOTDP 03422 AIR TEMP 06.3 DIR 0GT PER WIND-DIR 01 INST STC RECORDER TEN SO 1306
 CONSEC 0114 MONTH 06 SHIP EV WET BULB 05.8 05 2 2 WIND-SPD 22 TRACE DIR D 5 SQUARE 2
 LAT 44 35.9N DAY 06 DATA USE 1 BAROMETER 1003.9 SEA WIND-FOR DURATICA DO.3 2 SQUARE 46
 LONG 047 56.0W HOUR 06.1 AREA 05 CLCUD T/A CL/TA WEATHER X1 ORIG 011 893 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDPH	SHD VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.1	STD	CC000	08.69	34.37	26.69	00.000	1484.7							
	OBS	00001	08.69	34.37	26.69		1484.8							
	STD	00010	08.72	34.37	26.69	00.014	1485.0							
	OBS	00011	08.73	34.38	26.70		1485.1							
	STD	00020	08.84	34.47	26.75	00.027	1485.7							
	OBS	00020	08.88	34.49	26.76		1485.6							
	STD	00030	09.44	34.86	26.92	00.035	1489.4							
	OBS	00030	09.48	34.87	26.92		1489.6							
	OBS	00036	10.01	34.94	26.93		1491.2							
	STD	00050	10.61	35.10	26.94	00.062	1493.5							
	OBS	00053	10.72	35.13	26.95		1494.0							
	OBS	00072	11.20	35.27	26.97		1496.2							
	STD	00075	11.34	35.29	26.96	00.090	1496.8							
	OBS	00078	11.45	35.33	26.96		1497.4							
	OBS	00083	11.74	35.42	26.98		1498.5							
	OBS	00095	11.48	35.42	26.99		1498.5							
	STD	00100	11.40	35.35	27.00	00.118	1497.5							
	OBS	00102	11.24	35.32	27.00		1496.6							
	STD	00125	09.96	35.17	27.11	00.144	1492.5							
	OBS	00125	09.55	35.17	27.11		1492.5							
	OBS	00129	06.88	35.15	27.11		1492.3							
	OBS	00137	09.37	35.05	27.12		1490.4							
	STD	00150	08.72	34.88	27.09	00.165	1488.0							
	OBS	00152	08.51	34.86	27.11		1487.2							
	OBS	00156	08.10	34.84	27.15		1485.7							
	OBS	00177	07.81	34.79	27.16		1484.8							
	OBS	00180	07.40	34.73	27.17		1483.2							
	STD	00200	07.70	34.83	27.21	00.217	1484.8							
	OBS	00201	07.72	34.84	27.21		1485.0							
	OBS	00213	07.86	34.88	27.22		1485.7							
	OBS	00220	08.20	34.97	27.24		1487.3							
	OBS	00226	08.32	35.02	27.26		1487.5							
	OBS	00239	08.19	34.99	27.26		1487.6							
	OBS	00247	07.46	34.88	27.28		1484.8							
	STD	00250	07.45	34.87	27.28	00.261	1484.7							
	OBS	00251	07.44	34.87	27.27		1484.7							
	OBS	00255	07.28	34.85	27.28		1484.1							
	OBS	00277	07.31	34.89	27.31		1484.7							
	OBS	00285	07.03	34.84	27.31		1483.6							
	OBS	00293	06.60	34.82	27.35		1482.1							
	STD	00300	06.67	34.89	27.40	00.300	1482.5							
	OBS	00300	06.68	34.90	27.40		1482.6							
	OBS	00308	06.05	34.77	27.39		1480.0							
	OBS	00316	05.61	34.72	27.40		1478.3							
	OBS	00319	05.57	34.73	27.41		1478.2							
	OBS	00329	05.25	34.71	27.44		1477.1							
	OBS	00335	05.40	34.77	27.47		1477.9							
	OBS	00350	05.43	34.77	27.44		1478.2							
	STD	00400	04.58	34.72	27.53	00.368	1475.5							
	OBS	00403	04.57	34.72	27.52		1475.5							
	OBS	00451	05.18	34.94	27.63		1479.1							
	OBS	00493	05.02	34.95	27.65		1479.2							
	STD	00500	04.89	34.93	27.65	00.424	1478.7							
	OBS	00504	04.82	34.92	27.65		1478.5							
	OBS	00550	04.84	34.95	27.68		1479.4							
	STD	00600	04.81	34.98	27.70	00.473	1480.1							
	OBS	00601	04.81	34.98	27.70		1480.1							
	OBS	00651	04.72	34.99	27.72		1480.6							
	STD	00700	04.55	34.98	27.73	00.519	1480.7							
	OBS	00700	04.55	34.98	27.73		1480.7							
	OBS	00750	04.45	34.99	27.75		1481.1							
	STD	00800	04.48	35.00	27.76	00.563	1482.1							
	OBS	00801	04.48	35.00	27.76		1482.1							
	OBS	00850	04.48	35.00	27.76		1482.9							
	STD	00900	04.40	34.95	27.76	00.607	1483.4							
	OBS	00909	04.38	34.99	27.76		1483.5							
	OBS	00951	04.29	34.99	27.77		1483.8							
	STD	01000	04.21	34.98	27.77	00.651	1484.3							
	OBS	01003	04.21	34.98	27.77		1484.3							
	OBS	01043	04.20	34.98	27.77		1484.9							
	OBS	01056	04.20	34.98	27.77		1485.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA

REFID 31 0443	YEAR 1975	BOTOP 00369	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 10	INST STC RECORDER	TEN SQ 1307
CONSEC 0115	MONTH 04	S-IP EV	WET SULS 04.3	00 X X	WIND-SPD 02	TRACE DIR D	5 SQUARE 3
LAT 49 42.04	DAY 15	DATA USE 1	BARCHETR 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 82
LONG 032 26.04	MOUR 23.9	AREA 05	CLOUD T/A	CL/TX	WEATHER X4	GR16 011 094	1 SQUARE 02

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DRY6	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	STD	00000	01.05	30.31	24.25	00.000	1431.4							
	OBS	00003	01.09	30.31	24.25		1431.4							
	OBS	00005	01.90	30.31	24.25		1431.5							
	OBS	00007	01.54	30.28	24.25		1445.6							
	STD	00010	01.31	30.31	24.28	00.037	1448.9							
	OBS	00011	01.14	30.32	24.31		1448.2							
	STD	00020	- 0.93	32.02	25.76	00.064	1441.1							
	OBS	00022	- 1.25	32.30	26.00		1440.1							
	STD	00030	- 1.22	32.37	26.06	00.067	1440.5							
	OBS	00030	- 1.22	32.38	26.06		1440.5							
	OBS	00041	- 1.41	32.53	26.19		1440.0							
	OBS	00043	- 0.47	32.62	26.23		1444.5							
	OBS	00049	- 0.30	32.62	26.22		1445.4							
	STD	00050	- 0.53	32.60	26.22	00.125	1444.3							
	OBS	00051	- 0.99	32.59	26.22		1442.2							
	OBS	00053	- 1.19	32.68	26.30		1441.4							
	STD	00075	- 1.31	32.94	26.51	00.166	1441.6							
	OBS	00076	- 1.32	32.98	26.53		1441.6							
	OBS	00078	- 0.91	33.00	26.55		1443.4							
	OBS	00083	- 1.21	33.03	26.59		1442.3							
	OBS	00085	- 1.16	33.04	26.59		1442.4							
	STD	00100	- 1.38	33.14	26.68	00.203	1441.9							
	OBS	00100	- 1.41	33.15	26.69		1441.8							
	OBS	00104	- 1.55	33.19	26.72		1441.3							
	STD	00123	- 1.36	33.34	26.84	00.235	1442.7							
	OBS	00123	- 1.35	33.34	26.84		1442.8							
	STD	00150	- 1.17	33.47	26.94	00.264	1444.2							
	OBS	00150	- 1.17	33.47	26.94		1444.2							
	OBS	00175	- 0.91	33.63	27.04		1446.1							
	STD	00200	- 0.66	33.73	27.14	00.315	1447.8							
	OBS	00201	- 0.65	33.74	27.14		1447.9							
	OBS	00226	- 0.57	33.79	27.18		1448.7							
	STD	00250	- 0.17	33.91	27.26	00.355	1451.1							
	OBS	00251	- 0.15	33.92	27.26		1451.3							
	OBS	00276	00.57	34.07	27.36		1454.2							
	STD	00300	00.70	34.16	27.41	00.366	1456.3							
	OBS	00300	00.72	34.16	27.41		1456.4							
	OBS	00352	02.25	34.52	27.59		1464.5							
	OBS	00363	02.25	34.52	27.59		1464.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

M O D C S T A T I O N D A T A

REFID 31 8443 YEAR 1975 BOTDP 00320 AIR TEMP 04.0 DIR 1-CT PER WIND-DIR 09 INST STD RECORDER TEN 50 1307
 CONSEC 0116 MONTH 04 SHIP EV NET BULB 04.0 00 X X WIND-SPD 08 TRACE DIR 0 5 SQUARE 3
 LAT 49 45.2N DAY 16 DATA USE 1 BAROMETER 1021.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 82
 LONG 052 13.1W HOUR 01.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRSE 011 895 1 SQUARE 92

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORIG	PD4	TOT P	NO2	NO3	SIO3	PH
01.2	STD	00000	02.20	30.38	24.29	00.000	1432.8							
	OBS	00003	02.20	30.38	24.29		1432.5							
	OBS	00007	02.19	30.73	24.37		1433.4							
	STD	00010	02.11	31.32	25.04	00.033	1433.9							
	OBS	00019	00.82	32.63	26.18		1430.1							
	STD	00020	00.52	32.70	26.24	00.056	1448.8							
	OBS	00020	00.35	32.73	26.28		1448.1							
	OBS	00022	00.32	32.73	26.28		1448.0							
	OBS	00026	01.04	32.85	26.34		1431.5							
	STD	00030	00.72	32.89	26.39	00.074	1450.1							
	OBS	00030	00.68	32.89	26.39		1450.0							
	OBS	00040	00.55	32.91	26.42		1449.6							
	OBS	00047	00.34	32.97	26.47		1448.5							
	OBS	00049	00.20	32.96	26.47		1448.2							
	STD	00050	00.21	32.97	26.48	00.104	1448.2							
	OBS	00051	00.22	32.98	26.49		1448.3							
	OBS	00059	00.09	33.01	26.52		1447.5							
	OBS	00060	- 0.23	32.98	26.51		1446.4							
	OBS	00064	00.13	33.05	26.55		1448.2							
	OBS	00072	00.37	33.09	26.57		1449.5							
	STD	00075	- 0.05	33.05	26.56	00.144	1447.6							
	OBS	00079	- 0.55	33.03	26.56		1445.3							
	OBS	00087	- 0.64	33.12	26.64		1445.1							
	OBS	00091	- 1.08	33.14	26.67		1443.2							
	OBS	00098	- 1.25	33.20	26.72		1442.6							
	STD	00100	- 1.20	33.24	26.76	00.178	1442.9							
	OBS	00100	- 1.14	33.28	26.79		1443.2							
	STD	00125	- 1.18	33.50	26.96	00.208	1443.8							
	OBS	00125	- 1.18	33.50	26.97		1443.8							
	STD	00150	- 1.00	33.63	27.06	00.234	1445.2							
	OBS	00150	- 1.00	33.63	27.06		1445.2							
	OBS	00175	- 0.65	33.76	27.18		1447.5							
	STD	00200	- 0.00	33.95	27.28	00.279	1451.1							
	OBS	00201	00.03	33.94	27.29		1451.3							
	OBS	00226	00.32	34.06	27.35		1453.2							
	STD	00250	00.94	34.19	27.42	00.316	1456.6							
	OBS	00251	00.97	34.20	27.43		1456.7							
	OBS	00264	01.19	34.28	27.48		1458.0							
	OBS	00266	01.83	34.29	27.44		1458.9							
	OBS	00268	01.30	34.30	27.48		1458.6							
	OBS	00276	01.58	34.40	27.54		1460.1							
	STD	00300	01.75	34.38	27.52	00.348	1461.2							
	OBS	00300	01.75	34.38	27.52		1461.3							
	OBS	00312	01.75	34.38	27.52		1461.5							

REFID 31 8443 YEAR 1975 BOTDP 00250 AIR TEMP 03.9 DIR 1-CT PER WIND-DIR 15 INST STD RECORDER TEN 50 1307
 CONSEC 0117 MONTH 04 SHIP EV NET BULB 03.8 00 X X WIND-SPD 11 TRACE DIR 0 5 SQUARE 3
 LAT 49 49.0N DAY 16 DATA USE 1 BAROMETER 1019.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 80
 LONG 051 58.0W HOUR 03.5 AREA 05 CLOUD T/A CL/TR WEATHER X5 CRSE 011 896 1 SQUARE 91

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORIG	PD4	TOT P	NO2	NO3	SIO3	PH
03.5	STD	00000	02.90	30.64	24.44	00.000	1456.3							
	OBS	00003	02.90	30.64	24.44		1456.3							
	STD	00010	00.81	32.12	25.77	00.029	1449.1							
	OBS	00013	- 0.34	32.50	26.13		1444.4							
	OBS	00013	- 1.05	32.59	26.23		1441.3							
	OBS	00017	- 1.24	32.78	26.38		1440.7							
	OBS	00019	- 0.82	32.84	26.42		1442.8							
	STD	00020	- 0.80	32.82	26.40	00.048	1442.9							
	OBS	00020	- 0.77	32.80	26.39		1443.0							
	STD	00030	- 0.18	33.00	26.52	00.064	1446.2							
	OBS	00030	- 0.15	33.00	26.52		1446.5							
	OBS	00032	- 0.40	32.99	26.52		1445.2							
	OBS	00034	- 0.47	32.92	26.47		1444.4							
	OBS	00038	- 1.44	32.97	26.54		1440.4							
	STD	00050	- 1.44	33.00	26.57	00.094	1440.6							
	OBS	00051	- 1.44	33.01	26.58		1440.7							
	OBS	00059	- 1.50	33.06	26.62		1440.6							
	STD	00075	- 1.45	33.23	26.75	00.128	1441.3							
	OBS	00076	- 1.45	33.24	26.76		1441.4							
	STD	00100	- 1.29	33.42	26.91	00.155	1442.8							
	OBS	00100	- 1.28	33.43	26.91		1442.8							
	STD	00125	- 1.09	33.55	27.00	00.184	1444.3							
	OBS	00125	- 1.08	33.55	27.00		1444.3							
	STD	00150	- 0.81	33.68	27.10	00.212	1446.2							
	OBS	00150	- 0.80	33.68	27.10		1446.2							
	OBS	00175	- 0.28	33.88	27.24		1449.3							
	OBS	00198	- 0.81	33.97	27.30		1451.1							
	STD	00200	00.03	33.99	27.31	00.255	1451.3							
	OBS	00201	00.07	34.00	27.32		1451.6							
	OBS	00226	00.66	34.12	27.38		1454.8							
	OBS	00247	01.17	34.25	27.45		1457.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00200 AIR TEMP 04.2 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SO 1307
 CONSEC 0119 MONTH 06 S-IP EV WET BULB 04.2 00 X X WIND-SPD 04 TRACE DIR D 5 SQUARE 3
 LAT 49 56.0N DAY 16 DATA USE 1 BAROMETER 1018.0 SBA WIND-FOR DURATION 00.1 2 SQUARE 80
 LONG 091 45.0W HOUR 05.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 897 1 SQUARE 91

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.0	STD	00000	03.04	31.32	24.97	00.000	1457.8							
	OBS	00001	03.04	31.32	24.97		1457.8							
	STD	00010	02.98	32.70	26.00	00.025	1459.4							
	OBS	00011	02.73	32.75	26.14		1458.4							
	OBS	00013	02.27	32.72	26.15		1456.5							
	OBS	00015	01.73	32.07	26.31		1454.4							
	OBS	00017	01.40	32.01	26.36		1453.4							
	STD	00020	00.75	32.09	26.39	00.043	1450.1							
	OBS	00020	00.50	32.09	26.40		1449.4							
	STD	00050	00.64	33.08	26.55	00.054	1450.0							
	OBS	00050	00.64	33.09	26.55		1450.1							
	STD	00050	00.72	33.09	26.55	00.088	1450.8							
	OBS	00051	00.73	33.09	26.55		1450.8							
	OBS	00053	00.16	33.11	26.60		1448.3							
	OBS	00055	00.16	33.10	26.59		1448.3							
	OBS	00059	- 0.06	33.12	26.61		1447.4							
	OBS	00062	- 0.25	33.14	26.64		1446.6							
	OBS	00070	- 1.01	33.20	26.72		1443.3							
	STD	00075	- 1.16	33.28	26.79	00.123	1442.7							
	OBS	00076	- 1.19	33.28	26.80		1442.7							
	OBS	00083	- 1.20	33.39	26.88		1442.5							
	STD	00100	- 1.01	33.59	27.03	00.151	1444.3							
	OBS	00100	- 1.00	33.60	27.04		1444.4							
	STD	00125	- 0.62	33.01	27.19	00.175	1446.8							
	OBS	00125	- 0.61	33.01	27.20		1446.9							
	STD	00150	- 0.11	33.07	27.30	00.196	1449.8							
	OBS	00152	- 0.06	33.08	27.31		1450.1							
	OBS	00175	00.43	34.13	27.40		1452.9							
	STD	00200	00.83	34.23	27.46	00.231	1455.3							
	OBS	00203	00.88	34.24	27.46		1455.4							
	OBS	00228	01.15	34.31	27.50		1457.3							
	STD	00250	01.48	34.37	27.53	00.262	1459.2							
	OBS	00251	01.51	34.38	27.53		1459.4							
	OBS	00274	02.11	34.49	27.58		1462.6							

REFID 31 0463 YEAR 1975 BOTDP 00200 AIR TEMP 04.9 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SO 1307
 CONSEC 0119 MONTH 06 S-IP EV WET BULB 04.8 00 X X WIND-SPD 06 TRACE DIR D 5 SQUARE 3
 LAT 49 56.0N DAY 16 DATA USE 1 BAROMETER 1018.0 SBA WIND-FOR DURATION 00.2 2 SQUARE 80
 LONG 091 32.2W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 899 1 SQUARE 91

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.3	STD	00000	03.50	33.25	26.47	00.000	1462.4							
	OBS	00001	03.50	33.25	26.47		1462.4							
	STD	00010	03.33	33.24	26.49	00.016	1461.8							
	STD	00020	03.04	33.27	26.52	00.031	1460.8							
	OBS	00020	03.01	33.27	26.53		1460.6							
	OBS	00026	02.60	33.33	26.59		1459.9							
	STD	00030	02.65	33.29	26.57	00.046	1459.2							
	OBS	00030	02.48	33.28	26.58		1459.3							
	OBS	00032	01.51	33.23	26.61		1454.2							
	OBS	00036	01.72	33.60	26.89		1455.7							
	OBS	00043	01.04	33.75	27.06		1453.0							
	STD	00050	00.90	33.74	27.06	00.071	1452.5							
	OBS	00051	00.84	33.73	27.06		1452.2							
	OBS	00059	00.61	33.71	27.05		1451.2							
	OBS	00060	00.12	33.60	27.15		1449.2							
	OBS	00064	00.20	33.64	27.18		1449.7							
	OBS	00068	00.61	33.86	27.18		1451.6							
	OBS	00070	00.25	33.83	27.17		1450.0							
	STD	00075	00.55	33.89	27.20	00.094	1451.5							
	OBS	00076	00.61	33.90	27.21		1451.8							
	STD	00100	00.48	34.02	27.31	00.115	1451.8							
	OBS	00100	00.47	34.04	27.33		1451.8							
	OBS	00102	00.38	34.08	27.35		1452.4							
	OBS	00104	01.09	34.12	27.35		1454.8							
	OBS	00110	01.27	34.13	27.35		1455.7							
	STD	00125	00.81	34.17	27.41	00.133	1453.9							
	OBS	00125	00.80	34.17	27.41		1453.6							
	STD	00150	01.18	34.27	27.47	00.149	1456.1							
	OBS	00150	01.19	34.27	27.47		1456.1							
	OBS	00175	01.56	34.40	27.55		1458.4							
	STD	00200	01.86	34.49	27.60	00.178	1460.2							
	OBS	00201	01.88	34.50	27.60		1460.4							
	OBS	00224	02.22	34.59	27.65		1462.4							
	STD	00250	02.46	34.66	27.68	00.201	1463.6							
	OBS	00251	02.47	34.66	27.68		1464.0							
	OBS	00274	02.75	34.78	27.75		1465.8							
	OBS	00291	02.79	34.77	27.74		1466.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8443 YEAR 1975 SOTOP 00316 AIR TEMP 04.6 DIR HGT PER WIND-DIR 25 INET STC RECORDER TEN SO 1407
 COMSEC 0120 MONTH 04 SHIP EV MET DULB 04.2 00 X X WIND-SPD 09 TRACE DIR D 5 SQUARE 1
 LAT 33 02.7N DAY 16 DATA USE 1 BAROMETER 1017.0 SEA WIND-PCR SURFATION 00.1 2 SQUARE 00
 LONG 051 17.0W HOUR 07.9 AREA 03 CLOUD T/A CL/TR WEATHER X5 OBS-CII 009 1 SQUARE 01

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	CHVC	PO4	TOT P.	NO2	NO3	SIO3	PH
07.9	STD	00000	02.47	32.98	26.33	00.000	1458.4							
	OBS	00005	02.47	32.98	26.33		1458.5							
	OBS	00007	02.53	32.98	26.34		1457.6							
	STD	00010	02.41	33.02	26.36	00.017	1458.4							
	OBS	00011	02.44	33.04	26.38		1458.6							
	STD	00020	02.63	33.05	26.38	00.034	1458.7							
	OBS	00020	02.63	33.05	26.38		1458.7							
	OBS	00024	01.89	33.06	26.45		1455.5							
	OBS	00026	01.77	33.04	26.44		1455.0							
	OBS	00028	01.06	33.03	26.40		1451.9							
	STD	00030	01.02	33.04	26.50	00.050	1451.7							
	OBS	00030	01.00	33.05	26.50		1451.4							
	OBS	00034	00.87	33.09	26.54		1451.2							
	OBS	00040	00.35	33.15	26.42		1449.0							
	OBS	00041	- 0.09	33.21	26.45		1447.1							
	OBS	00043	- 0.05	33.35	26.80		1447.5							
	OBS	00045	00.97	33.49	26.86		1452.4							
	OBS	00049	01.22	33.45	26.81		1453.5							
	STD	00050	01.21	33.43	26.80	00.078	1453.4							
	OBS	00053	01.02	33.42	26.80		1452.4							
	OBS	00055	00.82	33.48	26.84		1451.8							
	OBS	00057	01.37	33.59	26.91		1454.5							
	OBS	00062	00.50	33.54	26.94		1450.6							
	OBS	00064	00.80	33.52	26.890									
	OBS	00068	01.53	33.64	26.960									
	STD	00075	01.51	33.60	26.91	00.108	1455.4							
	OBS	00078	01.35	33.61	26.93		1454.8							
	OBS	00083	00.75	33.62	26.97		1452.2							
	OBS	00085	00.40	33.68	27.04		1450.7							
	STD	00100	00.37	33.78	27.13	00.134	1451.0							
	OBS	00100	00.30	33.79	27.14		1450.6							
	OBS	00104	- 0.11	33.82	27.18		1448.9							
	STD	00125	00.41	33.99	27.29	00.156	1451.8							
	OBS	00125	00.43	34.00	27.30		1451.9							
	OBS	00144	01.21	34.18	27.39		1456.0							
	OBS	00148	00.57	34.15	27.39		1455.0							
	STD	00150	00.92	34.14	27.40	00.174	1454.8							
	OBS	00150	00.91	34.16	27.40		1454.7							
	OBS	00175	01.17	34.27	27.47		1456.5							
	STD	00200	01.59	34.39	27.54	00.206	1458.9							
	OBS	00201	01.62	34.40	27.54		1455.1							
	OBS	00226	02.07	34.52	27.60		1461.6							
	STD	00250	02.20	34.58	27.64	00.232	1462.7							
	OBS	00251	02.21	34.58	27.64		1462.8							
	OBS	00274	02.34	34.64	27.68		1463.8							
	STD	00300	02.44	34.70	27.70	00.254	1465.7							
	OBS	00300	02.44	34.70	27.70		1465.7							
	OBS	00314	02.49	34.72	27.71		1466.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0443 YEAR 1975 BOTDP 00360 AIR TEMP 06.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SO 1407
 CONSEC 0121 MONTH 04 SHIP EV WET BULB 05.6 95 X X WIND-SPD 06 TRACE DIR C 5 SQUARE 1
 LAT 50 09.0N DAY 16 DATA USE 1 BAROMETER 1019.7 SEA WIND-FOR DURATICA 00.2 2 SQUARE 00
 LONG 051 05.0W HOUR 09.3 AREA 05 CLCUD T/A CL/TR WEATHER X4 DRIG 011 900 1 SQUARE 01

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
09.3	STD	00000	02.86	32.90	26.25	00.000	1459.1							
	OBS	00003	02.86	32.90	26.25		1459.2							
	STD	00010	02.46	32.94	26.31	00.018	1457.6							
	OBS	00011	02.40	32.94	26.32		1457.4							
	STD	00020	02.33	32.91	26.30	00.035	1457.2							
	OBS	00020	02.32	32.91	26.30		1457.2							
	OBS	00024	00.77	32.99	26.47		1450.4							
	STD	00030	00.85	33.04	26.50	00.051	1450.9							
	OBS	00030	00.86	33.04	26.50		1451.0							
	OBS	00034	00.46	33.06	26.54		1449.3							
	OBS	00040	00.40	33.09	26.57		1449.1							
	OBS	00041	00.20	33.10	26.59		1448.3							
	OBS	00045	- 0.84	33.12	26.65		1443.5							
	STD	00050	- 1.39	33.25	26.77	00.079	1441.2							
	OBS	00051	- 1.30	33.28	26.80		1440.8							
	OBS	00057	- 1.54	33.34	26.85		1440.7							
	STD	00075	- 1.02	33.48	26.55	00.109	1443.7							
	OBS	00078	- 0.93	33.51	26.96		1444.2							
	STD	00100	- 0.26	33.70	27.09	00.135	1447.9							
	OBS	00100	- 0.24	33.71	27.10		1448.1							
	STD	00125	00.06	33.82	27.18	00.159	1450.0							
	OBS	00125	00.08	33.83	27.18		1450.1							
	STD	00150	01.13	34.13	27.36	00.175	1455.7							
	OBS	00150	01.14	34.138	27.37		1455.7							
	OBS	00175	01.24	34.237	27.44		1456.7							
	STD	00200	01.33	34.34	27.52	00.212	1457.7							
	OBS	00201	01.35	34.35	27.52		1457.8							
	OBS	00226	01.76	34.46	27.58		1460.2							
	STD	00250	02.01	34.52	27.61	00.239	1461.8							
	OBS	00253	02.04	34.53	27.61		1462.0							
	OBS	00277	02.29	34.60	27.65		1463.6							
	STD	00300	02.57	34.68	27.69	00.262	1465.2							
	OBS	00300	02.57	34.68	27.69		1465.3							
	OBS	00316	02.58	34.67	27.68		1465.6							

REFID 31 0443 YEAR 1975 BOTDP 00298 AIR TEMP 05.8 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SO 1407
 CONSEC 0122 MONTH 04 SHIP EV WET BULB 05.1 00 X X WIND-SPD 06 TRACE DIR C 5 SQUARE 1
 LAT 50 12.0N DAY 16 DATA USE 1 BAROMETER 1017.1 SEA WIND-FOR DURATICA 00.1 2 SQUARE 00
 LONG 050 52.2W HOUR 10.8 AREA 05 CLCUD T/A CL/TR WEATHER X1 DRIG 011 901 14 1 SQUARE 00

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
10.8	STD	00000	03.17	32.87	26.19	00.000	1460.4							
	OBS	00003	03.17	32.87	26.19		1460.5							
	OBS	00005	03.01	32.92	26.25		1459.9							
	STD	00010	03.02	32.92	26.25	00.018	1460.0							
	OBS	00011	03.02	32.92	26.25		1460.1							
	STD	00020	02.80	32.92	26.27	00.036	1459.3							
	OBS	00020	02.78	32.92	26.27		1459.2							
	OBS	00022	01.44	32.89	26.35		1453.3							
	OBS	00024	00.83	32.95	26.43		1450.6							
	STD	00030	00.85	32.99	26.47	00.052	1450.5							
	OBS	00030	00.85	33.00	26.47		1450.9							
	OBS	00038	00.87	33.150	26.59		1451.3							
	STD	00050	00.06	33.20	26.67	00.082	1447.9							
	OBS	00051	- 0.13	33.220	26.70		1447.1							
	OBS	00057	- 1.11	33.360	26.85		1442.8							
	OBS	00059	- 1.20	33.500	26.97		1442.6							
	OBS	03060	- 1.10	33.490	26.95		1443.1							
	OBS	00064	- 0.79	33.540	26.98		1444.7							
	OBS	00066	- 0.77	33.61	27.04		1444.9							
	STD	00075	- 0.57	33.66	27.07	00.112	1446.1							
	OBS	00076	- 0.54	33.67	27.08		1446.2							
	STD	00100	- 0.07	33.83	27.19	00.135	1449.0							
	OBS	00100	- 0.06	33.84	27.19		1449.1							
	STD	00125	00.09	33.97	27.29	00.156	1450.3							
	OBS	00127	00.14	33.99	27.31		1450.6							
	STD	00150	01.01	34.19	27.42	00.174	1455.2							
	OBS	00154	01.12	34.22	27.43		1455.8							
	OBS	00175	01.46	34.31	27.48		1457.8							
	OBS	00177	01.44	34.33	27.50		1457.8							
	OBS	00192	02.25	34.51	27.58		1461.9							
	OBS	00196	02.53	34.56	27.60		1463.2							
	STD	00200	02.67	34.62	27.64	00.203	1464.0							
	OBS	00203	02.78	34.66	27.66		1464.6							
	OBS	00213	02.98	34.65	27.63		1465.6							
	OBS	00217	02.52	34.60	27.63		1463.6							
	OBS	00226	02.48	34.64	27.67		1463.6							
	STD	00250	02.63	34.72	27.71	00.225	1464.7							
	OBS	00251	02.64	34.72	27.72		1464.8							
	OBS	00276	02.84	34.75	27.75		1466.3							
	OBS	00293	02.94	34.81	27.76		1466.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00401	AIR TEMP 05.9	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN 60 1407
CONSEC 0123	MONTH 06	SHIP EV	WET BULB 04.9	16 0 3	WIND-SPD 08	TRACE DIR	5 SQUARE 1
LAT 50 14.0M	DAY 16	DATA USE 1	BAROMETER 1018.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 38.0M	HOOR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 002	1 SQUARE 00

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PO4	TOT P	A02	NO3	SIO3	PH
12.2	STD	00000	02.96	32.93	26.26	00.000	1456.6							
	OBS	00003	02.96	32.93	26.26		1459.7							
	OBS	00007	02.77	32.91	26.26		1458.9							
	STD	00010	02.64	32.94	26.30	00.018	1458.4							
	OBS	00011	02.58	32.95	26.31		1458.2							
	OBS	00013	02.52	32.55	26.31		1458.0							
	OBS	00017	00.94	33.01	26.47		1451.1							
	STD	00020	00.91	33.06	26.51	00.034	1451.1							
	OBS	00020	00.90	33.07	26.52		1451.1							
	OBS	00024	00.99	33.10	26.54		1451.6							
	OBS	00026	00.46	33.04	26.52		1449.1							
	STD	00030	00.52	33.14	26.60	00.045	1449.6							
	OBS	00030	00.53	33.14	26.60		1449.6							
	OBS	00032	00.41	33.12	26.59		1449.1							
	OBS	00034	00.08	33.15	26.63		1447.7							
	OBS	00036	- 0.40	33.23	26.72		1445.6							
	OBS	00038	- 0.71	33.31	26.80		1444.3							
	OBS	00040	- 1.25	33.36	26.85		1441.5							
	STD	00050	- 1.12	33.58	27.02	00.074	1443.0							
	OBS	00051	- 1.09	33.60	27.04		1443.1							
	OBS	00066	- 0.72	33.76	27.16		1445.3							
	OBS	00068	00.10	33.82	27.17		1449.2							
	OBS	00070	00.12	33.84	27.19		1449.4							
	OBS	00072	- 0.11	33.83	27.19		1448.4							
	STD	00075	- 0.15	33.83	27.19	00.098	1448.2							
	OBS	00076	- 0.18	33.83	27.19		1448.1							
	OBS	00078	- 0.24	33.89	27.24		1447.9							
	OBS	00089	00.14	33.95	27.31		1450.0							
	OBS	00091	00.57	34.03	27.31		1452.1							
	STD	00100	01.09	34.12	27.35	00.118	1454.7							
	OBS	00100	01.11	34.12	27.35		1454.8							
	OBS	00104	01.12	34.11	27.34		1454.5							
	STD	00125	01.10	34.20	27.42	00.136	1455.2							
	OBS	00125	01.10	34.20	27.42		1455.2							
	STD	00150	01.39	34.34	27.51	00.151	1457.1							
	OBS	00150	01.40	34.34	27.51		1457.2							
	OBS	00175	01.94	34.48	27.58		1460.2							
	OBS	00194	02.59	34.60	27.62		1463.5							
	OBS	00198	02.28	34.55	27.61		1462.1							
	STD	00200	02.32	34.56	27.62	00.178	1462.4							
	OBS	00201	02.35	34.57	27.62		1462.5							
	OBS	00226	02.55	34.64	27.66		1463.5							
	STD	00250	02.57	34.68	27.69	00.202	1464.4							
	OBS	00251	02.57	34.68	27.69		1464.5							
	OBS	00276	02.64	34.72	27.72		1465.2							
	STD	00300	02.84	34.77	27.74	00.222	1466.5							
	OBS	00300	02.84	34.77	27.74		1466.5							
	OBS	00350	02.88	34.79	27.75		1467.6							
	OBS	00395	02.90	34.80	27.76		1468.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00843	AIR TEMP 06.0	DIR MGT PER	WIND-DIA 27	INST STC RECORDER	TEN SQ 1407
CONSEC 0124	MONTH 06	SHIP EV	MET BULB 05.6	00 X X	WIND-SPD 08	TRACE OIR D	5 SQUARE 1
LAT 30 20.0N	DAY 16	DATA USE 1	BARCHETR 1018.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 23.5W	HOOR 14.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 903 19	1 SQUARE 00

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	STD	00000	03.57	33.57	26.68	00.000	1464.8							
	OBS	00003	03.57	33.57	26.68		1464.5							
	OBS	00005	03.91	33.86	26.91		1465.0							
	OBS	00007	04.03	34.04	26.96		1469.2							
	OBS	00009	04.05	34.11	27.10		1466.0							
	STD	00010	03.54	34.13	27.12	00.012	1465.6							
	OBS	00011	03.66	34.19	27.20		1464.5							
	STD	00020	03.22	34.41	27.41	00.020	1463.1							
	OBS	00020	03.19	34.42	27.43		1463.0							
	STD	00030	03.03	34.49	27.50	00.026	1462.5							
	OBS	00030	03.02	34.49	27.50		1462.5							
	OBS	00040	02.72	34.46	27.53		1461.4							
	OBS	00045	02.96	34.53	27.54		1462.6							
	STD	00050	02.53	34.51	27.56	00.038	1460.7							
	OBS	00051	02.41	34.51	27.57		1460.2							
	STD	00075	02.34	34.57	27.62	00.050	1460.5							
	OBS	00076	02.35	34.58	27.63		1460.5							
	OBS	00078	02.33	34.60	27.65		1460.4							
	STD	00100	02.72	34.70	27.69	00.062	1462.6							
	OBS	00100	02.73	34.70	27.69		1462.7							
	STD	00125	02.80	34.73	27.71	00.072	1463.4							
	OBS	00125	02.80	34.73	27.71		1463.4							
	STD	00150	02.57	34.79	27.74	00.082	1464.7							
	OBS	00150	02.57	34.79	27.74		1464.7							
	OBS	00175	02.97	34.80	27.75		1465.1							
	STD	00200	03.03	34.82	27.76	00.100	1465.8							
	OBS	00201	03.03	34.82	27.76		1465.8							
	OBS	00226	03.03	34.83	27.77		1466.2							
	STD	00250	03.00	34.84	27.78	00.118	1466.5							
	OBS	00253	03.00	34.84	27.78		1466.6							
	OBS	00276	02.98	34.84	27.78		1466.9							
	STD	00300	02.99	34.84	27.78	00.135	1467.3							
	OBS	00300	03.00	34.84	27.78		1467.4							
	OBS	00302	03.03	34.84	27.78		1467.5							
	OBS	00308	03.23	34.88	27.79		1468.5							
	OBS	00350	03.21	34.88	27.79		1469.1							
	STD	00400	03.34	34.90	27.79	00.170	1470.5							
	OBS	00401	03.34	34.90	27.79		1470.6							
	OBS	00451	03.29	34.90	27.80		1471.2							
	STD	00500	03.29	34.90	27.80	00.205	1472.0							
	OBS	00500	03.29	34.90	27.80		1472.0							
	OBS	00550	03.23	34.91	27.81		1472.6							
	STD	00600	03.16	34.89	27.80	00.240	1473.1							
	OBS	00601	03.16	34.89	27.80		1473.1							
	OBS	00651	03.17	34.91	27.82		1474.0							
	STD	00700	03.17	34.90	27.81	00.276	1474.8							
	OBS	00700	03.17	34.90	27.81		1474.8							
	OBS	00750	03.21	34.90	27.81		1475.8							
	STD	00800	03.23	34.90	27.81	00.312	1476.7							
	OBS	00801	03.23	34.90	27.81		1476.7							
	OBS	00837	03.21	34.91	27.82		1477.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

REFID 31 8443 YEAR 1975 BOTDP 01061 AIR TEMP 06.9 DIR MGT PER WIND-DIR 22 INST STD RECORDER TEN SO 1407
 CONSEC 0125 MONTH 04 SHIP EV WET BULB 06.8 22 0 2 WIND-SPD 05 TRACE CIR D 5 SQUARE 1
 LAT 53 22.8N DAY 16 DATA USE 1 BAROMETER 1017.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 00
 LONG 050 05.8W HOUR 15.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 904 11 1 SQUARE 00

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SHD VEL	QXVG	PO4	TOT P	NO2	NO3	SIO3	PH
15.7	STD	00000	05.31	34.01	26.88	00.000	1471.0							
	OBS	00003	05.31	34.01	26.88		1471.0							
	OBS	00005	05.07	33.99	26.89		1470.1							
	STD	00010	04.78	34.13	27.03	00.011	1469.1							
	OBS	00011	04.69	34.20	27.10		1468.9							
	OBS	00015	05.29	34.48	27.25		1471.8							
	STD	00020	05.38	34.48	27.24	00.021	1472.2							
	OBS	00020	05.38	34.48	27.24		1472.3							
	STD	00030	05.40	34.48	27.24	00.029	1472.5							
	OBS	00030	05.40	34.48	27.24		1472.5							
	OBS	00036	03.86	34.30	27.27		1465.6							
	OBS	00040	03.55	34.41	27.38		1464.8							
	OBS	00041	03.59	34.48	27.44		1463.1							
	OBS	00043	03.97	34.57	27.47		1466.5							
	STD	00050	04.21	34.57	27.44	00.044	1468.0							
	OBS	00051	04.25	34.57	27.44		1468.2							
	STD	00075	03.82	34.61	27.51	00.059	1466.8							
	OBS	00076	03.80	34.61	27.52		1466.7							
	STD	00100	03.53	34.68	27.60	00.073	1466.1							
	OBS	00100	03.52	34.68	27.60		1466.1							
	OBS	00119	03.33	34.70	27.64		1465.6							
	OBS	00123	02.79	34.66	27.65		1463.3							
	STD	00125	02.79	34.69	27.68	00.085	1463.3							
	OBS	00125	02.80	34.70	27.69		1463.4							
	OBS	00129	03.00	34.74	27.70		1464.4							
	OBS	00139	02.59	34.68	27.69		1462.7							
	STD	00150	02.67	34.71	27.70	00.095	1463.2							
	OBS	00150	02.67	34.71	27.71		1463.3							
	OBS	00175	02.80	34.75	27.73		1464.3							
	STD	00200	02.91	34.79	27.75	00.115	1465.2							
	OBS	00201	02.52	34.79	27.75		1465.3							
	OBS	00228	03.05	34.81	27.75		1466.3							
	STD	00250	03.05	34.83	27.77	00.133	1466.7							
	OBS	00251	03.05	34.83	27.77		1466.7							
	OBS	00276	03.03	34.84	27.78		1467.1							
	STD	00300	03.14	34.84	27.77	00.151	1467.9							
	OBS	00300	03.14	34.84	27.77		1468.0							
	OBS	00350	03.14	34.83	27.76		1468.8							
	STD	00400	03.17	34.87	27.79	00.187	1469.8							
	OBS	00401	03.17	34.87	27.79		1469.8							
	OBS	00451	03.05	34.86	27.79		1470.1							
	STD	00500	03.23	34.89	27.80	00.223	1471.7							
	OBS	00502	03.23	34.89	27.80		1471.7							
	OBS	00553	03.21	34.89	27.80		1472.5							
	STD	00600	03.16	34.88	27.80	00.258	1473.0							
	OBS	00601	03.16	34.88	27.80		1473.1							
	OBS	00651	03.17	34.89	27.80		1473.9							
	STD	00700	03.17	34.90	27.81	00.294	1474.8							
	OBS	00700	03.17	34.90	27.81		1474.8							
	OBS	00750	03.25	34.90	27.80		1475.6							
	STD	00800	03.30	34.90	27.80	00.330	1477.0							
	OBS	00801	03.30	34.90	27.80		1477.0							
	OBS	00850	03.30	34.92	27.81		1477.9							
	STD	00900	03.27	34.91	27.81	00.367	1478.5							
	OBS	00900	03.27	34.91	27.81		1478.6							
	OBS	00944	03.27	34.91	27.81		1479.3							
	OBS	00951	03.25	34.91	27.81		1479.3							
	STD	01000	03.27	34.92	27.82	00.405	1480.2							
	OBS	01001	03.27	34.92	27.82		1480.3							
	OBS	01056	03.32	34.93	27.82		1481.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 01220	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SO 1406
CONSEC 0126	MONTH 04	SHIP EV	WET BULB 07.5	00 X X	WIND-SPD 10	TRACE DIA 0	5 SQUARE 2
LAT 53 28.0N	DAY 16	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATICA 00.4	2 SQUARE 08
LONG 049 56.0W	YEAR 17.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIC 011 905 20	1 SQUARE 09

CASSTN/UTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	N02	N03	S103	PH
17.5	STD	C0000	05.48	33.83	26.71	00.000	1471.4							
	OBS	00005	05.48	33.83	26.71		1471.5							
	OBS	00007	05.04	33.99	26.89		1470.0							
	STD	00010	04.80	34.02	26.95	00.012	1469.1							
	OBS	00011	04.69	34.04	26.57		1468.6							
	STD	00020	04.43	34.05	27.01	00.023	1467.7							
	OBS	00020	04.42	34.04	27.02		1467.7							
	OBS	00026	04.36	34.11	27.06		1467.7							
	STD	00030	03.21	34.14	27.20	00.033	1462.8							
	OBS	00030	03.10	34.14	27.21		1462.4							
	OBS	00036	02.95	34.20	27.27		1461.5							
	OBS	00038	02.71	34.15	27.25		1460.8							
	OBS	00040	02.44	34.22	27.32		1460.7							
	STD	00050	02.43	34.29	27.35	00.049	1460.0							
	OBS	00051	02.41	34.30	27.40		1459.5							
	STD	00075	02.34	34.38	27.47	00.065	1460.2							
	OBS	00076	02.34	34.39	27.48		1460.2							
	OBS	00087	02.42	34.46	27.53		1460.8							
	OBS	00095	02.15	34.48	27.57		1459.8							
	STD	00100	01.98	34.47	27.57	00.080	1459.1							
	OBS	00100	01.98	34.47	27.57		1459.1							
	OBS	00102	01.00	34.54	27.63		1459.3							
	STD	00125	02.32	34.63	27.67	00.092	1461.2							
	OBS	00125	02.33	34.63	27.67		1461.3							
	STD	00150	02.59	34.68	27.65	00.103	1462.5							
	OBS	00150	02.59	34.68	27.69		1462.9							
	OBS	00175	02.71	34.72	27.71		1463.5							
	STD	00200	02.88	34.79	27.75	00.123	1465.1							
	OBS	00201	02.89	34.75	27.75		1465.2							
	OBS	00226	03.05	34.82	27.76		1466.3							
	STD	00250	03.28	34.86	27.77	00.141	1467.8							
	OBS	00251	03.29	34.86	27.77		1467.8							
	OBS	00276	03.27	34.86	27.77		1468.1							
	STD	00300	03.36	34.87	27.77	00.155	1468.9							
	OBS	00300	03.36	34.87	27.77		1468.5							
	OBS	00350	03.42	34.89	27.78		1470.0							
	STD	00400	03.42	34.50	27.75	00.155	1470.9							
	OBS	00403	03.42	34.90	27.79		1470.9							
	OBS	00451	03.42	34.90	27.79		1471.7							
	STD	00500	03.27	34.89	27.79	00.230	1471.5							
	OBS	00500	03.27	34.89	27.79		1471.9							
	OBS	00550	03.21	34.89	27.80		1472.4							
	STD	00600	03.21	34.89	27.80	00.266	1473.3							
	OBS	00601	03.21	34.85	27.80		1473.3							
	OBS	00652	03.15	34.85	27.80		1474.1							
	STD	00700	03.16	34.88	27.80	00.302	1474.7							
	OBS	00700	03.16	34.88	27.80		1474.7							
	OBS	00750	03.20	34.89	27.80		1475.7							
	STD	00800	03.17	34.85	27.80	00.335	1476.4							
	OBS	00803	03.17	34.89	27.80		1476.5							
	OBS	00850	03.17	34.89	27.80		1477.3							
	STD	00900	03.14	34.85	27.81	00.376	1478.0							
	OBS	00900	03.14	34.89	27.81		1478.0							
	OBS	00953	03.16	34.85	27.80		1478.9							
	STD	01000	03.16	34.89	27.80	00.414	1479.7							
	OBS	01001	03.16	34.89	27.80		1479.7							
	OBS	01060	03.17	34.89	27.80		1480.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA

REFID 31 0463	YEAR 1975	BOYDP 01242	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SO 1406
CONSEC 0127	MONTH 06	SHIP EV	WET BULB 07.0	00 X X	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 50 16.0N	DAY 16	DATA USE 1	BAROMETER 1016.5	SEA	WIND-FOR	DURATION	2 SQUARE 08
LONG 049 44.0N	HOUR 20.1	AREA 05	CLCUD T/A	CL/TA	WEATHER X1	ORIG 011 906	1 SQUARE 06

CASSTN/UTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
20.1	STD	00000	05.85	34.17	26.94	00.000	1473.4							
	OBS	00001	05.85	34.17	26.94		1473.4							
	OBS	00003	05.77	34.13	26.92		1473.1							
	OBS	00005	05.50	34.16	26.97		1472.0							
	STD	00010	05.44	34.16	26.98	00.011	1471.9							
	OBS	00011	05.43	34.17	26.99		1471.9							
	STD	00020	05.06	34.24	27.09	00.021	1470.6							
	OBS	00020	05.03	34.25	27.10		1470.5							
	OBS	00022	04.96	34.21	27.08		1470.2							
	OBS	00024	03.25	34.23	27.27		1463.0							
	OBS	00026	02.61	34.27	27.36		1460.4							
	OBS	00028	02.34	34.30	27.41		1459.3							
	STD	00030	02.30	34.33	27.43	00.030	1459.1							
	OBS	00030	02.29	34.34	27.44		1459.1							
	OBS	00036	02.59	34.37	27.44		1460.6							
	OBS	00038	02.35	34.34	27.44		1459.5							
	OBS	00040	02.32	34.41	27.50		1459.5							
	OBS	00049	02.75	34.47	27.51		1461.6							
	STD	00050	02.73	34.46	27.50	00.042	1461.5							
	OBS	00051	02.61	34.39	27.4500									
	OBS	00053	02.34	34.41	27.49		1459.8							
	OBS	00066	02.40	34.46	27.53		1460.4							
	STD	00075	02.01	34.43	27.54	00.057	1458.8							
	OBS	00076	01.99	34.43	27.54		1458.7							
	OBS	00078	01.57	34.46	27.56		1458.7							
	STD	00100	02.20	34.55	27.61	00.070	1460.2							
	OBS	00100	02.21	34.55	27.62		1460.2							
	STD	00125	02.58	34.67	27.68	00.081	1462.4							
	OBS	00125	02.61	34.68	27.69		1462.6							
	OBS	00127	02.70	34.72	27.71		1463.0							
	OBS	00133	03.05	34.75	27.70		1464.7							
	STD	00150	02.71	34.73	27.72	00.052	1463.5							
	OBS	00150	02.71	34.73	27.72		1463.5							
	OBS	00175	02.78	34.77	27.74		1464.2							
	STD	00200	03.06	34.84	27.77	00.110	1466.0							
	OBS	00201	03.08	34.84	27.77		1466.1							
	OBS	00228	03.29	34.86	27.77		1467.4							
	STD	00250	03.29	34.86	27.77	00.128	1467.8							
	OBS	00253	03.29	34.86	27.77		1467.8							
	OBS	00276	03.45	34.88	27.77		1468.5							
	STD	00300	03.45	34.89	27.78	00.146	1469.3							
	OBS	00300	03.45	34.89	27.78		1469.3							
	OBS	00350	03.42	34.90	27.79		1470.0							
	STD	00400	03.33	34.89	27.79	00.182	1470.5							
	OBS	00403	03.32	34.89	27.79		1470.5							
	OBS	00451	03.27	34.89	27.79		1471.1							
	STD	00500	03.27	34.90	27.80	00.217	1471.9							
	OBS	00500	03.27	34.90	27.80		1471.9							
	OBS	00550	03.27	34.90	27.80		1472.7							
	STD	00600	03.21	34.90	27.81	00.252	1473.3							
	OBS	00601	03.21	34.90	27.81		1473.3							
	OBS	00652	03.20	34.90	27.81		1474.1							
	STD	00700	03.16	34.90	27.81	00.287	1474.7							
	OBS	00702	03.16	34.90	27.81		1474.8							
	OBS	00750	03.17	34.89	27.80		1475.6							
	STD	00800	03.16	34.89	27.80	00.323	1476.4							
	OBS	00801	03.16	34.89	27.80		1476.4							
	OBS	00850	03.16	34.89	27.80		1477.2							
	STD	00900	03.14	34.90	27.81	00.355	1478.0							
	OBS	00932	03.14	34.90	27.81		1478.0							
	OBS	00951	03.16	34.90	27.81		1478.9							
	STD	01000	03.20	34.90	27.81	00.396	1479.9							
	OBS	01001	03.20	34.90	27.81		1479.9							
	OBS	01052	03.21	34.91	27.82		1480.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 0463	YEAR 1975	SDTOP 01013	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 25	INSTR STD RECORDER	TEN SO 1400							
CONSEC 0120	MONTH 04	SHIP SV	WET BULB 04.5	00 X X	WIND-SPD 08	TRACE DIR D	5 SQUARE 2							
LAT 50 06.0N	DAY 16	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 00							
LONG 040 55.5W	MOOR 22.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 907	1 SQUARE 00							
CASSTN/UTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
22.1	STD	00000	05.22	34.15	27.03	00.000	1470.8							
	OBS	00001	05.22	34.19	27.03		1470.5							
	OBS	00005	04.90	34.13	27.02		1469.5							
	OBS	00007	04.70	34.18	27.08		1468.8							
	STD	00010	04.69	34.19	27.09	00.010	1468.8							
	OBS	00011	04.69	34.19	27.09		1468.8							
	OBS	00013	04.61	34.18	27.09		1468.5							
	STD	00020	03.65	34.44	27.40	00.019	1464.9							
	OBS	00020	03.58	34.46	27.42		1464.7							
	OBS	00028	03.63	34.52	27.44		1465.1							
	STD	00030	03.53	34.50	27.45	00.025	1464.7							
	OBS	00032	03.36	34.48	27.44		1464.0							
	OBS	00034	03.23	34.49	27.48		1463.5							
	OBS	00038	03.13	34.50	27.50		1463.1							
	OBS	00040	03.17	34.51	27.50		1463.3							
	STD	00050	02.72	34.52	27.55	00.037	1461.6							
	OBS	00051	02.67	34.52	27.55		1461.4							
	STD	00075	02.43	34.58	27.62	00.050	1460.8							
	OBS	00076	02.42	34.58	27.62		1460.8							
	OBS	00083	02.32	34.58	27.63		1460.5							
	STD	00100	02.44	34.64	27.64	00.062	1461.4							
	OBS	00100	02.47	34.64	27.67		1461.5							
	STD	00125	02.57	34.69	27.70	00.072	1462.4							
	OBS	00125	02.57	34.69	27.70		1462.4							
	STD	00150	02.78	34.74	27.72	00.082	1463.8							
	OBS	00150	02.78	34.74	27.72		1463.8							
	OBS	00175	02.89	34.79	27.75		1464.7							
	STD	00200	03.08	34.82	27.75	00.102	1466.0							
	OBS	00201	03.09	34.82	27.75		1466.1							
	OBS	00226	03.15	34.84	27.77		1466.8							
	STD	00250	03.05	34.84	27.77	00.120	1466.7							
	OBS	00251	03.05	34.84	27.77		1466.7							
	OBS	00277	03.07	34.84	27.77		1467.3							
	STD	00300	03.09	34.84	27.77	00.137	1467.7							
	OBS	00300	03.09	34.84	27.77		1467.7							
	OBS	00350	03.11	34.86	27.78		1468.7							
	STD	00400	03.23	34.88	27.79	00.173	1470.0							
	OBS	00401	03.23	34.88	27.79		1470.1							
	OBS	00451	03.21	34.88	27.79		1470.8							
	STD	00500	03.11	34.88	27.80	00.208	1471.2							
	OBS	00500	03.11	34.88	27.80		1471.2							
	OBS	00552	03.17	34.88	27.80		1472.3							
	STD	00600	03.13	34.89	27.81	00.243	1472.9							
	OBS	00601	03.13	34.89	27.81		1473.0							
	OBS	00651	03.17	34.85	27.80		1473.9							
	STD	00700	03.17	34.89	27.80	00.278	1474.7							
	OBS	00750	03.14	34.89	27.80		1475.4							
	STD	00800	03.20	34.90	27.81	00.314	1476.6							
	OBS	00801	03.20	34.90	27.81		1476.6							
	OBS	00850	03.17	34.89	27.80		1477.3							
	STD	00900	03.20	34.90	27.81	00.351	1478.2							
	OBS	00900	03.20	34.90	27.81		1478.2							
	OBS	00951	03.21	34.91	27.82		1479.2							
	STD	01000	03.25	34.92	27.82	00.388	1480.1							
	OBS	01001	03.25	34.92	27.82		1480.2							
	OBS	01005	03.25	34.92	27.82		1480.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 00668	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SO 1407
CONSEC 0125	MONTH 06	SHIP EV	WET BULB 05.7	00 X X	WIND-SPD 10	TRACE DIR D	5 SQUARE 1
LAT 50 02.0N	DAY 17	DATA USE 1	BAROMETER 1015.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 16.2W	HOOR 00.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG 011 908	1 SQUARE 00

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	03.84	33.57	26.69	00.000	1464.3							
	OBS	00001	03.84	33.57	26.69		1464.3							
	OBS	00003	04.04	33.63	26.72		1465.2							
	OBS	00009	05.30	34.46	27.23		1471.7							
	STD	00010	05.29	34.47	27.24	00.011	1471.6							
	OBS	00011	05.25	34.49	27.26		1471.6							
	OBS	00013	05.21	34.51	27.28		1471.4							
	OBS	00017	04.54	34.45	27.34		1468.7							
	STD	00020	04.15	34.44	27.35	00.019	1467.0							
	OBS	00020	04.00	34.43	27.35		1466.4							
	OBS	00024	03.26	34.44	27.44		1463.4							
	STD	00030	03.57	34.57	27.51	00.026	1465.0							
	OBS	00030	03.58	34.58	27.52		1465.0							
	OBS	00036	03.36	34.55	27.51		1464.1							
	OBS	00040	02.46	34.48	27.52		1461.1							
	OBS	00045	01.95	34.45	27.56		1458.0							
	STD	00050	01.90	34.48	27.58	00.037	1457.9							
	OBS	00051	01.89	34.48	27.59		1457.9							
	OBS	00057	01.87	34.48	27.59		1457.9							
	STD	00075	01.96	34.52	27.61	00.045	1458.7							
	OBS	00076	01.98	34.52	27.61		1458.8							
	OBS	00089	02.34	34.58	27.63		1460.7							
	OBS	00091	02.77	34.66	27.66		1462.7							
	STD	00100	02.84	34.68	27.66	00.061	1463.1							
	OBS	00100	02.84	34.68	27.67		1463.1							
	STD	00125	02.75	34.73	27.71	00.071	1463.2							
	OBS	00125	02.75	34.73	27.71		1463.2							
	STD	00150	02.77	34.75	27.73	00.081	1463.7							
	OBS	00150	02.77	34.75	27.73		1463.8							
	OBS	00175	02.78	34.77	27.74		1464.2							
	STD	00200	02.85	34.80	27.76	00.100	1465.0							
	OBS	00205	02.86	34.80	27.76		1465.1							
	OBS	00228	02.89	34.81	27.77		1465.6							
	STD	00250	02.91	34.82	27.77	00.118	1466.1							
	OBS	00251	02.91	34.82	27.77		1466.1							
	OBS	00277	02.92	34.84	27.79		1466.6							
	STD	00300	02.98	34.84	27.78	00.136	1467.2							
	OBS	00300	02.98	34.84	27.78		1467.3							
	OBS	00352	03.05	34.85	27.78		1468.4							
	STD	00400	03.03	34.86	27.79	00.170	1469.2							
	OBS	00403	03.03	34.86	27.79		1469.2							
	OBS	00453	03.07	34.87	27.80		1470.2							
	STD	00500	03.07	34.87	27.80	00.205	1471.0							
	OBS	00500	03.07	34.87	27.80		1471.0							
	OBS	00552	03.09	34.88	27.80		1471.9							
	STD	00600	03.11	34.88	27.80	00.241	1472.8							
	OBS	00601	03.11	34.88	27.80		1472.5							
	OBS	00651	03.11	34.88	27.80		1473.7							
	OBS	00668	03.11	34.89	27.81		1474.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA

REFID 31 8443	YEAR 1975	BOATID 00342	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1307
CONSEC 0130	MONTH 04	SHIP EV	WET BULB 05.9	00 X X	WIND-SPD 09	TRACE DIR D	5 SQUARE 3
LAT 49 56.0N	DAY 17	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 050 24.0W	MOOR 01.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 909	1 SQUARE 90

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	OXYG	PD4	TOT	NO2	NO3	SIO3	PH
01.8	STD	00000	02.86	33.15	26.48	00.000	1459.5							
	OBS	00003	02.86	33.19	26.48		1459.6							
	OBS	00007	02.60	33.20	26.51		1458.6							
	STD	00010	02.55	33.24	26.54	00.015	1458.4							
	OBS	00011	02.55	33.27	26.57		1458.5							
	STD	00020	03.04	33.74	26.60	00.026	1461.5							
	OBS	00020	03.11	33.76	26.91		1461.7							
	OBS	00024	02.86	33.79	26.95		1460.8							
	OBS	00026	02.09	33.78	27.01		1457.4							
	STD	00030	00.54	33.79	27.12	00.039	1450.6							
	OBS	00030	00.38	33.79	27.13		1449.5							
	OBS	00040	00.69	34.03	27.31		1451.7							
	OBS	00041	00.66	34.09	27.36		1451.7							
	OBS	00043	00.88	34.10	27.35		1452.8							
	STD	00050	00.75	34.10	27.36	00.056	1452.3							
	OBS	00051	00.75	34.11	27.37		1452.3							
	OBS	00064	01.27	34.26	27.45		1455.1							
	OBS	00066	01.90	34.31	27.45		1456.0							
	OBS	00072	01.91	34.28	27.42		1458.1							
	STD	00075	01.67	34.29	27.45	00.073	1457.1							
	OBS	00076	01.57	34.29	27.46		1456.6							
	OBS	00078	02.21	34.39	27.49		1459.6							
	OBS	00081	02.53	34.42	27.49		1461.1							
	STD	00100	01.83	34.37	27.50	00.089	1458.3							
	OBS	00100	01.82	34.37	27.50		1458.3							
	OBS	00110	01.78	34.44	27.56		1458.3							
	OBS	00114	02.09	34.458	27.55		1459.8							
	OBS	00119	02.20	34.49	27.57		1460.4							
	OBS	00123	02.67	34.57	27.59		1462.6							
	STD	00125	02.62	34.55	27.58	00.103	1462.4							
	OBS	00125	02.54	34.54	27.58		1462.1							
	OBS	00127	02.09	34.49	27.58		1460.1							
	STD	00150	02.19	34.58	27.64	00.115	1461.0							
	OBS	00150	02.19	34.58	27.64		1461.0							
	OBS	00175	02.45	34.65	27.68		1462.8							
	STD	00200	02.76	34.73	27.71	00.137	1464.5							
	OBS	00201	02.77	34.73	27.71		1464.6							
	OBS	00224	02.77	34.77	27.74		1465.0							
	STD	00250	02.91	34.80	27.75	00.156	1466.0							
	OBS	00251	02.51	34.80	27.76		1466.1							
	OBS	00276	02.94	34.83	27.78		1466.7							
	STD	00300	02.97	34.83	27.77	00.175	1467.2							
	OBS	00300	02.97	34.83	27.77		1467.2							
	OBS	00329	03.00	34.84	27.78		1467.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA														
REFID 31 8443	YEAR 1975	BOTDP 00326	AIR TEMP 00.3	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1307							
CONSEC 0131	MONTH 04	SHIP EV	WET BULB 00.3	00 X X	WIND-SPD 08	TRACE DIR C	5 SQUARE 3							
LAT 49 54.0N	DAY 17	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80							
LONG 353 35.2W	MOOR 04.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	DRIG 011 910	1 SQUARE 90							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.0	STD	00000	03.88	32.84	26.10	00.000	1463.4							
	OBS	00001	03.88	32.84	26.10		1463.5							
	OBS	00003	03.25	32.98	26.28		1461.0							
	OBS	00005	02.96	33.08	26.38		1459.5							
	STD	00010	02.89	33.09	26.39	00.018	1459.7							
	OBS	00013	02.83	33.05	26.40		1459.5							
	OBS	00019	02.69	33.10	26.42		1459.0							
	STD	00020	02.56	33.12	26.44	00.034	1458.4							
	OBS	00020	02.45	33.13	26.46		1458.0							
	STD	00030	02.29	33.29	26.60	00.045	1457.7							
	OBS	00030	02.29	33.30	26.61		1457.7							
	OBS	00045	02.42	33.470	26.74		1458.8							
	OBS	00049	02.04	33.450	26.75		1457.1							
	STD	00050	01.75	33.46	26.78	00.076	1455.5							
	OBS	00051	01.35	33.51	26.85		1454.2							
	OBS	00053	01.79	33.66	26.94		1456.4							
	OBS	00055	02.00	33.71	26.96		1457.4							
	OBS	00059	01.55	33.79	27.06		1455.6							
	OBS	00060	02.07	33.90	27.11		1458.1							
	OBS	00064	02.22	33.91	27.10		1458.8							
	OBS	00066	01.80	33.90	27.13		1457.0							
	OBS	00070	01.49	33.87	27.13		1455.6							
	OBS	00072	00.07	33.85	27.20		1449.2							
	OBS	00074	- 0.06	33.91	27.25		1448.7							
	STD	00075	- 0.04	33.91	27.25	00.103	1448.8							
	OBS	00076	- 0.01	33.92	27.26		1449.0							
	STD	00100	00.97	34.14	27.38	00.122	1454.1							
	OBS	00100	01.02	34.15	27.38		1454.4							
	OBS	00118	02.21	34.34	27.45		1460.2							
	OBS	00119	01.69	34.28	27.44		1457.9							
	STD	00125	01.42	34.29	27.47	00.135	1456.8							
	OBS	00125	01.40	34.29	27.47		1456.7							
	OBS	00137	01.64	34.37	27.52		1458.1							
	OBS	00140	03.71	34.63	27.54		1467.5							
	OBS	00144	03.54	34.61	27.54		1466.8							
	OBS	00146	03.08	34.53	27.52		1466.7							
	OBS	00148	02.86	34.59	27.59		1463.9							
	STD	00150	02.81	34.57	27.58	00.153	1463.7							
	OBS	00150	02.30	34.57	27.58		1463.6							
	OBS	00154	02.73	34.55	27.57		1463.4							
	OBS	00158	02.09	34.50	27.59		1460.6							
	OBS	00175	02.16	34.57	27.64		1461.3							
	STD	00200	02.32	34.63	27.67	00.177	1462.5							
	OBS	00201	02.34	34.63	27.67		1462.6							
	OBS	00226	02.64	34.71	27.71		1464.4							
	STD	00250	02.66	34.75	27.74	00.198	1464.9							
	OBS	00251	02.67	34.75	27.74		1465.0							
	OBS	00276	02.84	34.79	27.75		1466.2							
	STD	00300	03.02	34.84	27.78	00.217	1467.4							
	OBS	00300	03.02	34.84	27.78		1467.4							
OBS	00321	03.02	34.85	27.79		1467.8								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 8443	YEAR 1975	BOTDP 00302	AIR TEMP 05.1	DIR PGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1307
CONSEC 0132	MONTH 04	SHIP EV	WET BULB 05.1	00 X X	WIND-SPD 07	TRACE DIR C	5 SQUARE 3
LAT 49 49 N	DAY 17	DATA USE 1	BAROMETER 1016.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 090 51.6W	HOOR 05.9	AREA 05	CLCUD T/A	CL/TR	WEATHER X5	ORIS 011 011	1 SQUARE 60

CASSTW/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	STD	00000	03.65	32.85	26.13	00.000	1462.5							
	OBS	00001	03.65	32.85	26.13		1462.5							
	OBS	00003	03.61	32.84	26.15		1462.4							
	OBS	00007	02.91	32.92	26.24		1459.5							
	STD	00010	02.87	32.94	26.29	00.018	1459.5							
	OBS	00011	02.84	32.97	26.30		1459.3							
	OBS	00017	02.60	32.95	26.31		1458.4							
	STD	00020	01.90	32.94	26.34	00.035	1455.3							
	OBS	00020	01.68	32.94	26.37		1454.4							
	OBS	00022	01.21	33.02	26.44		1452.4							
	STD	00030	00.99	33.05	26.50	00.051	1451.6							
	OBS	00030	00.93	33.04	26.51		1451.3							
	OBS	00034	00.33	33.22	26.60		1448.5							
	OBS	00038	- 0.40	33.29	26.77		1444.8							
	OBS	00040	- 0.77	33.25	26.78		1444.0							
	OBS	00041	- 1.14	33.32	26.82		1442.3							
	OBS	00045	- 1.33	33.42	26.90		1441.7							
	OBS	00047	- 1.10	33.43	26.91		1442.8							
	OBS	00049	- 1.21	33.45	26.93		1442.3							
	STD	00050	- 1.17	33.47	26.94	00.078	1442.6							
	OBS	00051	- 1.05	33.53	26.99		1443.2							
	OBS	00064	- 0.73	33.65	27.07		1445.1							
	OBS	00072	- 0.13	33.74	27.12		1448.1							
	OBS	00074	- 0.47	33.75	27.14		1446.6							
	STD	00075	- 0.48	33.75	27.14	00.104	1446.6							
	OBS	00076	- 0.48	33.76	27.15		1446.6							
	STD	00100	00.25	33.96	27.28	00.125	1450.8							
	OBS	00100	00.31	33.97	27.28		1450.9							
	STD	00125	00.79	34.15	27.39	00.144	1453.8							
	OBS	00125	00.60	34.15	27.40		1453.8							
	STD	00150	01.31	34.32	27.50	00.160	1456.7							
	OBS	00150	01.32	34.32	27.50		1456.8							
	OBS	00169	01.76	34.41	27.54		1459.2							
	OBS	00173	01.62	34.40	27.54		1458.6							
	STD	00200	01.91	34.52	27.61	00.188	1460.5							
	OBS	00203	01.96	34.53	27.62		1460.8							
	OBS	00226	02.32	34.60	27.65		1462.8							
	STD	00250	02.51	34.67	27.69	00.211	1464.1							
	OBS	00253	02.53	34.68	27.69		1464.3							
	OBS	00276	02.69	34.74	27.73		1465.5							
	STD	00300	02.87	34.79	27.75	00.231	1466.7							
	OBS	00300	02.88	34.75	27.75		1466.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

DEPID 31 8443	YEAR 1975	BOTDP 00201	AIR TEMP 06.3	DIR PGT PER	WIND-DIR 26	INST STD RECORDER	TEN SO 1307
CONSEC 0133	MONTH 06	SHIP EV	NET BULB 06.2	00 X X	WIND-SPD 04	TRACE DIR	9 SQUARE 3
LAT 49 44.0N	DAY 17	DATA USE 1	BAROMETR 1014.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 091 04.0W	MOOR 07.3	AREA 05	CLCUD T/A	CL/TA	WEATHER X4	ORIG 011 012	1 SQUARE 91

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
07.3	STD	00000	03.77	33.10	26.32	00.000	1463.3							
	OBS	00003	03.77	33.10	26.32		1463.4							
	STD	00010	03.14	33.21	26.46	00.016	1461.0							
	OBS	00011	02.98	33.23	26.50		1460.3							
	STD	00020	02.44	33.37	26.65	00.031	1458.3							
	OBS	00022	01.32	33.42	26.78		1459.5							
	OBS	00024	00.30	33.46	26.87		1448.9							
	OBS	00026	00.30	33.52	26.92		1449.0							
	STD	00030	00.04	33.56	26.96	00.044	1448.0							
	OBS	00030	00.01	33.56	26.97		1447.8							
	OBS	00036	- 0.09	33.58	26.99		1447.5							
	OBS	00038	- 0.32	33.61	27.02		1446.5							
	OBS	00041	- 0.47	33.63	27.04		1445.6							
	STD	00050	- 0.30	33.75	27.13	00.064	1447.0							
	OBS	00051	- 0.25	33.77	27.15		1447.3							
	OBS	00057	00.03	33.86	27.21		1448.8							
	OBS	00059	00.50	33.89	27.21		1451.0							
	OBS	00062	00.40	33.88	27.20		1450.6							
	OBS	00066	00.58	33.93	27.23		1451.6							
	STD	00075	00.49	33.95	27.26	00.086	1451.3							
	OBS	00076	00.48	33.96	27.26		1451.3							
	OBS	00091	00.58	34.10	27.37		1452.2							
	OBS	00093	00.94	34.12	27.36		1453.9							
	OBS	00095	01.01	34.13	27.37		1454.2							
	OBS	00099	01.27	34.17	27.38		1455.5							
	STD	00100	01.32	34.18	27.38	00.105	1455.8							
	OBS	00100	01.36	34.18	27.38		1456.0							
	OBS	00102	01.41	34.17	27.37		1456.2							
	OBS	00104	01.24	34.14	27.36		1455.4							
	OBS	00108	01.49	34.21	27.40		1456.7							
	OBS	00110	01.51	34.19	27.38		1456.8							
	OBS	00112	01.23	34.18	27.39		1455.6							
	OBS	00116	01.23	34.21	27.42		1455.7							
	STD	00125	01.67	34.27	27.43	00.122	1457.8							
	OBS	00125	01.67	34.27	27.43		1457.9							
	OBS	00135	01.30	34.30	27.48		1456.4							
	OBS	00144	01.94	34.37	27.49		1459.5							
	STD	00150	01.94	34.35	27.48	00.138	1459.6							
	OBS	00150	01.54	34.35	27.48		1459.6							
	OBS	00175	01.87	34.48	27.59		1459.9							
	STD	00200	02.32	34.56	27.64	00.166	1462.4							
	OBS	00201	02.34	34.60	27.65		1462.5							
	OBS	00230	02.58	34.69	27.70		1464.2							
	STD	00250	02.72	34.74	27.72	00.187	1465.2							
	OBS	00251	02.73	34.74	27.72		1465.2							
	OBS	00276	02.80	34.76	27.73		1466.0							
	OBS	00287	02.94	34.81	27.76		1466.8							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00262 AIR TEMP 05.4 DIR MGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1307
 CONSEC 0134 MONTH 04 SHIP EV WET BULB 05.2 00 X X WIND-SPD 07 TRACE DIR 0 5 SQUARE 3
 LAT 49 39.2N DAY 17 DATA USE 1 BAROMETER 1014.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 80
 LONG 051 18.0W HOUR 09.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 913 09 1 SQUARE 91

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIG3	PH
09.0	STD	00000	04.21	32.59	26.19	00.000	1465.0							
	OBS	00001	04.21	32.99	26.19		1465.1							
	OBS	00003	03.29	33.06	26.34		1461.3							
	STD	00010	02.94	33.12	26.43	00.017	1459.6							
	OBS	00011	02.78	33.14	26.44		1459.3							
	STD	00020	02.70	33.25	26.53	00.033	1459.3							
	OBS	00020	02.69	33.25	26.54		1459.2							
	OBS	00024	02.61	33.25	26.55		1459.0							
	STD	00030	02.02	33.28	26.62	00.048	1456.5							
	OBS	00030	01.97	33.29	26.63		1456.3							
	OBS	00034	01.88	33.43	26.75		1456.1							
	OBS	00038	02.28	33.54	26.80		1458.1							
	OBS	00041	00.77	33.53	26.90		1451.4							
	OBS	00043	01.49	33.59	26.90		1454.8							
	STD	00050	01.18	33.59	26.92	00.073	1453.5							
	OBS	00051	00.99	33.59	26.94		1452.7							
	OBS	00053	00.64	33.60	26.96		1451.2							
	OBS	00057	- 0.11	33.59	27.00		1447.8							
	OBS	00060	- 0.52	33.64	27.07		1446.0							
	OBS	00062	- 0.54	33.68	27.09		1446.0							
	OBS	00072	- 0.24	33.79	27.16		1447.7							
	STD	00075	- 0.00	33.80	27.16	00.099	1448.8							
	OBS	00076	00.07	33.80	27.16		1449.2							
	OBS	00081	00.24	33.81	27.16		1450.1							
	OBS	00083	- 0.05	33.82	27.18		1448.8							
	OBS	00091	- 0.15	33.88	27.23		1448.6							
	OBS	00093	- 0.03	33.90	27.24		1449.2							
	OBS	00097	00.35	33.94	27.25		1451.0							
	OBS	00099	00.30	33.92	27.24		1450.8							
	STD	00100	00.34	33.95	27.26	00.121	1451.0							
	OBS	00102	00.44	34.01	27.31		1451.6							
	STD	00125	00.74	34.15	27.40	00.140	1453.5							
	OBS	00127	00.77	34.14	27.41		1453.7							
	STD	00150	01.09	34.23	27.44	00.154	1455.7							
	OBS	00150	01.10	34.23	27.44		1455.7							
	OBS	00175	01.57	34.38	27.53		1458.4							
	STD	00200	01.98	34.50	27.60	00.185	1460.8							
	OBS	00201	02.00	34.51	27.60		1460.9							
	OBS	00224	02.25	34.60	27.65		1462.5							
	STD	00250	02.25	34.60	27.65	00.210	1462.9							
	OBS	00251	02.25	34.60	27.65		1463.0							
	OBS	00258	02.26	34.60	27.65		1463.1							

REFID 31 0463 YEAR 1975 BOTDP 00227 AIR TEMP 07.5 DIR MGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1307
 CONSEC 0135 MONTH 04 SHIP EV WET BULB 07.0 00 X X WIND-SPD 08 TRACE DIR 0 5 SQUARE 3
 LAT 49 34.0N DAY 17 DATA USE 1 BAROMETER 1014.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 80
 LONG 051 33.0W HOUR 10.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 914 09 1 SQUARE 91

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIG3	PH
10.5	STD	00000	04.82	31.39	24.86	00.000	1465.5							
	OBS	00001	04.82	31.35	24.86		1465.5							
	OBS	00003	04.39	31.52	25.01		1463.6							
	OBS	00007	02.90	32.11	25.61		1458.4							
	STD	00010	01.40	32.33	25.90	00.026	1452.1							
	OBS	00011	00.75	32.49	26.07		1449.4							
	OBS	00013	00.13	32.75	26.31		1447.0							
	STD	00020	00.31	32.68	26.40	00.045	1448.1							
	OBS	00020	00.32	32.69	26.41		1448.2							
	OBS	00028	00.36	32.92	26.43		1448.5							
	STD	00030	00.19	32.91	26.44	00.061	1447.8							
	OBS	00030	00.14	32.91	26.44		1447.5							
	OBS	00049	- 0.24	33.08	26.59		1446.2							
	STD	00050	- 0.21	33.08	26.59	00.092	1446.5							
	OBS	00053	- 0.03	33.09	26.59		1447.4							
	OBS	00055	- 0.05	33.12	26.61		1447.4							
	OBS	00058	- 0.80	33.13	26.65		1444.0							
	OBS	00070	- 1.19	33.44	26.92		1442.8							
	STD	00075	- 1.15	33.51	26.98	00.123	1443.1							
	OBS	00076	- 1.14	33.53	26.99		1443.2							
	STD	00100	- 0.73	33.75	27.15	00.148	1445.5							
	OBS	00100	- 0.71	33.76	27.16		1446.0							
	STD	00125	- 0.18	33.95	27.29	00.170	1449.1							
	OBS	00125	- 0.17	33.95	27.29		1449.1							
	STD	00150	00.24	34.07	27.34	00.189	1451.7							
	OBS	00150	00.27	34.07	27.36		1451.7							
	OBS	00175	00.72	34.19	27.43		1454.3							
	OBS	00199	01.12	34.31	27.50		1456.7							
	STD	00200	01.13	34.31	27.51	00.222	1456.7							
	OBS	00205	01.44	34.38	27.54		1458.3							
	OBS	00222	01.75	34.40	27.53		1460.0							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0403 YEAR 1975 BOTDP 00278 AIR TEMP 07.0 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SG 1307
 CONSEC 0136 MONTH 06 SHIP EV WET BULB 06.7 00 X X WIND-SPD 09 TRACE DIR 0 5 SQUARE 3
 LAT 49 31.0N DAY 17 DATA USE 1 BAROMETER 1029.9 SEA WIND-FOR DURATION 00.2 2 SQUARE 80
 LONG 091 53.0W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 915 21 1 SQUARE 91

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	STD	00000	03.85	31.02	24.66	00.000	1460.9							
	OBS	00001	03.85	31.02	24.66		1460.9							
	OBS	00005	03.44	31.27	24.60		1459.4							
	OBS	00009	02.54	31.91	25.48		1456.6							
	STD	00010	02.23	32.02	25.60	00.028	1455.4							
	OBS	00015	00.13	32.85	26.39		1447.2							
	STD	00020	00.67	32.91	26.41	00.045	1449.8							
	OBS	00022	00.83	32.94	26.42		1450.6							
	STD	00030	00.65	32.96	26.45	00.065	1449.9							
	OBS	00032	00.60	32.97	26.46		1449.7							
	OBS	00038	00.50	32.98	26.47		1449.6							
	OBS	00040	00.13	32.92	26.44		1447.7							
	OBS	00041	- 0.11	32.99	26.51		1446.7							
	STD	00050	- 0.46	33.11	26.62	00.095	1445.4							
	OBS	00051	- 0.52	33.13	26.64		1445.1							
	OBS	00068	- 1.32	33.36	26.86		1442.0							
	STD	00075	- 1.26	33.43	26.91	00.127	1442.5							
	OBS	00076	- 1.25	33.44	26.92		1442.6							
	STD	00100	- 0.99	33.68	27.05	00.153	1444.5							
	OBS	00100	- 0.98	33.67	27.10		1444.6							
	STD	00125	- 0.53	33.84	27.21	00.176	1447.3							
	OBS	00125	- 0.52	33.84	27.22		1447.4							
	STD	00150	- 0.14	33.93	27.27	00.197	1449.7							
	OBS	00150	- 0.13	33.93	27.27		1449.7							
	OBS	00175	00.20	34.08	27.37		1451.8							
	STD	00200	00.81	34.18	27.42	00.234	1455.1							
	OBS	00201	00.85	34.19	27.43		1455.4							
	OBS	00224	01.46	34.33	27.51		1458.7							
	OBS	00234	01.80	34.45	27.57		1460.5							

REFID 31 0403 YEAR 1975 BOTDP 00324 AIR TEMP 06.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SG 1307
 CONSEC 0137 MONTH 06 SHIP EV WET BULB 05.8 00 X X WIND-SPD 10 TRACE DIR 0 5 SQUARE 3
 LAT 49 26.0N DAY 17 DATA USE 1 BAROMETER 1016.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 82
 LONG 092 01.9W HOUR 13.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 916 19 1 SQUARE 92

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	STD	00000	02.32	30.44	24.49	00.000	1453.7							
	OBS	00003	02.32	30.44	24.49		1453.8							
	STD	00010	01.80	31.73	25.39	00.030	1453.0							
	OBS	00011	01.55	31.90	25.55		1452.2							
	OBS	00013	01.14	32.09	25.72		1450.7							
	STD	00020	- 0.13	32.65	26.24	00.052	1445.8							
	OBS	00020	- 0.32	32.68	26.27		1444.9							
	OBS	00024	- 1.18	32.70	26.32		1441.0							
	OBS	00028	- 1.13	32.82	26.41		1441.5							
	STD	00030	- 0.43	32.84	26.41	00.065	1443.8							
	OBS	00030	- 0.52	32.84	26.41		1444.4							
	OBS	00034	- 0.74	32.85	26.42		1443.4							
	OBS	00038	- 0.77	32.85	26.46		1443.4							
	OBS	00040	- 0.43	32.90	26.45		1445.1							
	STD	00050	- 0.41	32.99	26.53	00.101	1445.4							
	OBS	00051	- 0.40	33.00	26.53		1445.5							
	OBS	00060	- 0.24	33.05	26.57		1446.5							
	OBS	00072	- 0.85	33.10	26.63		1443.5							
	OBS	00074	- 1.11	33.12	26.66		1442.8							
	STD	00075	- 1.08	33.15	26.68	00.137	1442.5							
	OBS	00076	- 1.05	33.18	26.70		1443.1							
	STD	00100	- 1.22	33.38	26.87	00.165	1443.0							
	OBS	00100	- 1.23	33.40	26.89		1443.0							
	OBS	00102	- 1.25	33.44	26.92		1443.0							
	STD	00125	- 0.99	33.63	27.06	00.196	1444.9							
	OBS	00125	- 0.98	33.63	27.06		1444.9							
	STD	00150	- 0.56	33.80	27.15	00.220	1447.5							
	OBS	00152	- 0.52	33.82	27.20		1447.8							
	OBS	00169	- 0.17	33.95	27.29		1449.9							
	OBS	00173	00.52	34.01	27.30		1453.2							
	STD	00200	00.92	34.13	27.37	00.260	1455.6							
	OBS	00203	00.99	34.16	27.39		1456.0							
	OBS	00211	01.14	34.23	27.44		1456.5							
	OBS	00215	01.26	34.25	27.45		1457.5							
	OBS	00224	01.40	34.30	27.48		1458.4							
	STD	00250	01.59	34.37	27.52	00.292	1459.7							
	OBS	00251	01.41	34.38	27.53		1459.8							
	OBS	00276	02.07	34.52	27.60		1462.5							
	STD	00300	02.15	34.54	27.61	00.319	1463.2							
	OBS	00302	02.16	34.54	27.61		1463.3							
	OBS	00321	02.23	34.57	27.63		1464.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA

PEPID 31 8463 YEAR 1975 BOTDP 00335 AIR TEMP 06.8 DIR MGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1307
 COMSEC 0136 MONTH 06 SHIP EV MET BULB 06.4 00 X X WIND-SPD 12 TRACE DIR D 5 SQUARE 3
 LAT 49 21.3N DAY 17 DATA USE 1 BAROMETER 1016.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 62
 LONG 052 13.3W HOUR 15.0 AREA 05 CLOUD T/A CL/TX WEATHER X2 ORIG C11 917 16 1 SQUARE 92

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.0	STD	00000	00.04	30.60	24.58	00.000	1443.4							
	OBS	00003	00.04	30.60	24.58		1443.4							
	STD	00010	- 1.05	31.91	23.68	00.028	1440.3							
	OBS	00013	- 1.35	32.33	24.02		1439.5							
	STD	00020	- 1.28	32.52	26.17	00.049	1440.2							
	OBS	00020	- 1.27	32.54	26.19		1440.3							
	OBS	00022	- 0.71	32.58	26.21		1443.0							
	OBS	00024	- 0.81	32.54	26.18		1442.5							
	OBS	00026	- 1.13	32.61	26.24		1441.2							
	STD	00030	- 1.16	32.63	26.26	00.067	1441.1							
	OBS	00030	- 1.17	32.64	26.27		1441.1							
	OBS	00034	- 1.34	32.76	26.37		1440.5							
	OBS	00036	- 0.72	32.84	26.42		1443.6							
	OBS	00038	- 0.83	32.81	26.40		1443.0							
	OBS	00043	- 1.34	32.84	26.44		1440.8							
	OBS	00045	- 1.38	32.91	26.49		1440.7							
	STD	00050	- 0.45	32.98	26.52	00.100	1445.2							
	OBS	00053	- 0.03	33.02	26.53		1447.3							
	OBS	00066	- 0.86	33.07	26.61		1443.7							
	OBS	00072	- 1.31	33.05	26.60		1441.7							
	STD	00075	- 1.23	33.06	26.61	00.137	1442.1							
	OBS	00076	- 1.21	33.07	26.62		1442.2							
	OBS	00099	- 1.60	33.19	26.73		1441.0							
	STD	00100	- 1.58	33.20	26.73	00.171	1441.1							
	OBS	00100	- 1.57	33.20	26.73		1441.1							
	STD	00125	- 1.34	33.44	26.92	00.202	1442.6							
	OBS	00125	- 1.34	33.44	26.92		1443.0							
	STD	00150	- 1.19	33.54	27.00	00.230	1446.2							
	OBS	00152	- 1.17	33.55	27.01		1446.4							
	OBS	00175	- 0.91	33.63	27.06		1446.1							
	STD	00200	- 0.36	33.87	27.23	00.277	1449.4							
	OBS	00201	- 0.33	33.88	27.24		1449.6							
	OBS	00213	- 0.20	33.92	27.27		1450.4							
	OBS	00215	- 0.80	33.92	27.29		1447.7							
	OBS	00217	- 0.13	33.98	27.31		1450.6							
	OBS	00226	00.22	34.00	27.31		1452.6							
	OBS	00243	00.37	34.07	27.36		1455.7							
	OBS	00245	00.77	34.11	27.37		1455.6							
	STD	00250	00.79	34.11	27.37	00.316	1455.8							
	OBS	00253	00.80	34.12	27.37		1455.9							
	OBS	00262	00.80	34.18	27.42		1456.1							
	OBS	00266	01.12	34.26	27.46		1457.7							
	OBS	00276	01.48	34.30	27.47		1459.6							
	STD	00300	01.69	34.36	27.51	00.349	1461.0							
	OBS	00302	01.71	34.37	27.51		1461.1							
	OBS	00325	01.91	34.45	27.56		1462.5							

PEPID 31 8463 YEAR 1975 BOTDP 00251 AIR TEMP 08.1 DIR MGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1307
 COMSEC 0136 MONTH 06 SHIP EV MET BULB 07.8 00 X X WIND-SPD 06 TRACE DIR D 5 SQUARE 3
 LAT 49 17.0N DAY 17 DATA USE 1 BAROMETER 1016.1 SEA WIND-FOR DURATION 00.2 2 SQUARE 62
 LONG 052 28.0W HOUR 16.6 AREA 05 CLOUD T/A CL/TX WEATHER X2 ORIG C11 918 23 1 SQUARE 92

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.6	STD	00000	03.19	31.85	25.41	00.000	1459.2							
	OBS	00001	03.19	31.89	25.41		1459.2							
	OBS	00005	02.75	31.99	25.53		1457.5							
	OBS	00007	03.01	32.10	25.60		1458.8							
	OBS	00009	02.73	32.04	25.57		1457.6							
	STD	00010	02.42	32.07	25.62	00.025	1456.3							
	OBS	00015	- 0.36	32.33	25.99		1444.2							
	STD	00020	- 0.39	32.47	26.10	00.046	1444.3							
	STD	00030	- 0.45	32.69	26.29	00.065	1444.5							
	OBS	00049	- 0.57	32.92	26.48		1444.6							
	STD	00050	- 0.58	32.92	26.48	00.098	1444.5							
	OBS	00053	- 0.80	32.93	26.49		1443.8							
	OBS	00057	- 1.32	32.91	26.49		1441.2							
	STD	00075	- 1.37	32.98	26.55	00.136	1441.4							
	OBS	00079	- 1.39	33.00	26.57		1441.4							
	STD	00100	- 1.52	33.10	26.65	00.172	1441.2							
	OBS	00100	- 1.53	33.10	26.65		1441.2							
	OBS	00108	- 1.61	33.11	26.66		1440.9							
	STD	00125	- 1.36	33.18	26.71	00.206	1441.5							
	OBS	00125	- 1.56	33.18	26.72		1441.8							
	STD	00150	- 1.48	33.27	26.79	00.238	1442.5							
	OBS	00152	- 1.47	33.28	26.80		1442.6							
	OBS	00175	- 1.41	33.39	26.88		1443.4							
	STD	00200	- 1.14	33.52	26.98	00.296	1445.3							
	OBS	00201	- 1.12	33.53	26.99		1445.4							
	OBS	00226	- 0.88	33.68	27.10		1447.1							
	OBS	00247	- 0.44	33.83	27.20		1449.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 00298	AIR TEMP 09.1	DIR MGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1307
CONSEC 0140	MONTH 06	SHIP EV	WET BULB 08.6	00 X X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 3
LAT 49 15.8N	DAY 17	DATA USE 1	BAROMETR 1015.7	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 82
LONG 052 46.4W	HOUR 18.2	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	ORIG 011 919 26	1 SQUARE 92

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	STD	00000	01.85	31.78	25.43	00.000	1453.2							
	OBS	00001	01.85	31.78	25.43		1453.2							
	OBS	00003	02.26	31.83	25.44		1455.1							
	OBS	00009	01.68	32.10	25.70		1453.0							
	STD	00010	01.20	32.21	25.82	00.024	1451.1							
	OBS	00011	00.20	32.40	26.02		1446.8							
	OBS	00013	- 0.38	32.38	26.03		1444.1							
	OBS	00015	- 0.75	32.57	26.20		1442.7							
	OBS	00019	- 0.73	32.62	26.24		1442.6							
	STD	00020	- 0.62	32.62	26.23	00.044	1443.5							
	OBS	00020	- 0.52	32.62	26.23		1443.9							
	OBS	00022	- 1.20	32.60	26.24		1440.8							
	STD	00030	- 1.40	32.67	26.30	00.061	1440.0							
	OBS	00030	- 1.41	32.67	26.30		1440.0							
	STD	00050	- 1.39	32.80	26.41	00.095	1440.6							
	OBS	00051	- 1.39	32.81	26.41		1440.6							
	STD	00075	- 1.34	32.90	26.48	00.135	1441.4							
	OBS	00076	- 1.34	32.91	26.49		1441.4							
	OBS	00078	- 1.36	32.93	26.51		1441.4							
	OBS	00079	- 1.27	32.92	26.50		1441.8							
	STD	00100	- 1.44	33.02	26.58	00.172	1441.5							
	OBS	00100	- 1.44	33.02	26.58		1441.5							
	STD	00125	- 1.42	33.11	26.65	00.208	1442.1							
	OBS	00125	- 1.42	33.11	26.66		1442.1							
	STD	00150	- 1.41	33.20	26.73	00.242	1442.7							
	OBS	00150	- 1.41	33.20	26.73		1442.7							
	OBS	00163	- 1.54	33.26	26.78		1442.4							
	OBS	00177	- 1.42	33.31	26.82		1443.3							
	STD	00200	- 1.35	33.45	26.93	00.302	1444.2							
	OBS	00201	- 1.31	33.47	26.94		1444.4							
	OBS	00215	- 0.85	33.66	27.08		1447.1							
	OBS	00222	- 0.17	33.77	27.14		1450.5							
	OBS	00226	- 0.15	33.76	27.13		1450.6							
	STD	00250	- 0.24	33.85	27.21	00.352	1450.7							
	OBS	00251	- 0.24	33.86	27.22		1450.8							
	OBS	00276	00.83	34.12	27.37		1456.4							
	OBS	00291	01.26	34.23	27.43		1458.7							

REFID 31 0463	YEAR 1975	BOTDP 00100	AIR TEMP 08.7	DIR MGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1307
CONSEC 0141	MONTH 06	SHIP EV	WET BULB 07.8	00 X X	WIND-SPD 00	TRACE DIR 0	5 SQUARE 3
LAT 48 44.9N	DAY 18	DATA USE 1	BAROMETR 1011.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 82
LONG 053 02.1W	HOUR 00.6	AREA 05	CLOUD T/A	CL/T/A	WEATHER X2	ORIG 011 920	1 SQUARE 83

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.6	STD	00000	05.64	31.58	24.92	00.000	1449.1							
	OBS	00001	05.64	31.58	24.92		1449.1							
	OBS	00003	05.32	31.49	24.89		1447.7							
	OBS	00005	04.13	31.77	25.23		1443.2							
	OBS	00007	02.62	31.88	25.45		1456.8							
	OBS	00009	02.14	31.88	25.49		1454.8							
	STD	00010	02.08	31.91	25.52	00.028	1454.5							
	OBS	00011	01.91	31.99	25.59		1453.9							
	STD	00020	01.23	32.21	25.82	00.051	1451.4							
	OBS	00020	01.18	32.23	25.83		1451.2							
	STD	00030	00.87	32.32	25.93	00.072	1450.0							
	OBS	00030	00.82	32.33	25.93		1449.8							
	OBS	00034	00.38	32.40	26.01		1448.0							
	OBS	00036	- 0.11	32.45	26.08		1445.8							
	OBS	00038	- 0.33	32.52	26.14		1445.0							
	STD	00050	- 0.34	32.66	26.26	00.111	1445.3							
	OBS	00051	- 0.36	32.68	26.27		1445.3							
	STD	00075	- 1.18	32.93	26.50	00.152	1442.2							
	OBS	00076	- 1.21	32.94	26.51		1442.1							
	OBS	00089	- 1.47	33.03	26.59		1441.2							
	OBS	00093	- 1.47	33.02	26.58		1441.2							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 0443 YEAR 1975 BOTOP 00137 AIR TEMP 08.0 DIR MGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1307
 CONSEC 3142 MONTH 04 SHIP EV NET BULB 08.0 00 X X WIND-SPD 05 TRACE DIR 0 5 SQUARE 3
 LAT 48 48.3N DAY 10 DATA USE 1 BAROMETER 1011.5 SEA WIND-FOR WIND-FOR DURATION 00.1 2 SQUARE 02
 LONG 052 47.0W HOUR 02.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 921 1 SQUARE 02

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	CHYC	PO4	TOT P	NO2	NO3	SIO3	PH
02.1	STD	00000	04.25	31.64	25.12	00.000	1463.4							
	OBS	00001	04.25	31.64	25.12		1463.4							
	OBS	00003	04.18	31.61	25.10		1463.1							
	OBS	00009	03.61	31.74	25.27		1461.0							
	STD	00010	02.25	31.80	25.33	00.028	1455.5							
	OBS	00011	02.72	31.91	25.47		1457.4							
	OBS	00013	02.14	32.05	25.62		1455.1							
	OBS	00015	01.04	32.28	25.88		1450.4							
	OBS	00017	00.69	32.52	26.05		1449.3							
	STD	00020	00.38	32.57	26.15	00.050	1448.0							
	OBS	00022	00.11	32.62	26.20		1446.9							
	OBS	00024	- 0.21	32.69	26.28		1445.6							
	STD	00030	- 0.24	32.72	26.30	00.069	1445.5							
	OBS	00030	- 0.24	32.73	26.31		1445.4							
	OBS	00034	- 0.68	32.79	26.37		1443.7							
	OBS	00038	- 0.52	32.77	26.35		1444.4							
	OBS	00040	- 0.64	32.79	26.37		1443.6							
	STD	00050	- 0.90	32.86	26.44	00.101	1443.0							
	OBS	00051	- 0.93	32.87	26.45		1442.9							
	STD	00075	- 1.24	32.94	26.51	00.140	1441.8							
	OBS	00076	- 1.27	32.94	26.51		1441.8							
	STD	00100	- 1.53	33.04	26.60	00.178	1441.1							
	OBS	00100	- 1.54	33.04	26.60		1441.1							
	OBS	00102	- 1.55	33.35	26.61		1441.1							
	STD	00125	- 1.41	33.18	26.71	00.212	1442.3							
	OBS	00127	- 1.41	33.18	26.71		1442.3							
	OBS	00129	- 1.41	33.18	26.71		1442.3							

REFID 31 0443 YEAR 1975 BOTOP 00347 AIR TEMP 07.5 DIR MGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1307
 CONSEC 0143 MONTH 04 SHIP EV NET BULB 07.0 00 X X WIND-SPD 12 TRACE DIR C 5 SQUARE 3
 LAT 48 54.0N DAY 10 DATA USE 1 BAROMETER 1011.1 SEA WIND-FOR WIND-FOR DURATION 00.2 2 SQUARE 02
 LONG 052 30.1W HOUR 04.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 922 1 SQUARE 02

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	CHYC	PO4	TOT P	NO2	NO3	SIO3	PH
04.0	STD	00000	04.32	30.07	23.87	00.000	1461.6							
	OBS	00000	04.32	30.07	23.87		1461.6							
	STD	00010	02.08	31.16	24.92	00.035	1453.5							
	OBS	00011	02.01	31.21	24.96		1453.3							
	OBS	00013	02.01	31.24	24.99		1453.4							
	OBS	00017	00.66	32.26	25.89		1448.8							
	OBS	00019	01.28	32.68	26.19		1452.2							
	STD	00020	01.80	32.70	26.17	00.060	1450.4							
	OBS	00020	02.14	32.73	26.17		1450.1							
	OBS	00022	02.43	32.81	26.21		1457.5							
	OBS	00024	02.48	32.76	26.17		1457.7							
	STD	00030	01.53	32.78	26.25	00.078	1453.4							
	OBS	00030	01.49	32.78	26.25		1453.5							
	OBS	00034	01.51	32.79	26.26		1453.6							
	OBS	00036	- 0.62	32.66	26.27		1445.8							
	OBS	00038	- 1.07	32.78	26.38		1441.9							
	OBS	00040	- 1.05	32.79	26.39		1442.0							
	STD	00050	- 1.28	32.85	26.44	00.112	1441.2							
	OBS	00051	- 1.31	32.87	26.46		1441.1							
	OBS	00053	- 1.10	32.91	26.49		1442.2							
	OBS	00057	- 0.09	33.00	26.52		1447.0							
	OBS	00059	00.02	32.97	26.49		1447.5							
	OBS	00062	- 1.43	32.93	26.51		1440.8							
	OBS	00064	- 1.34	32.99	26.56		1441.3							
	OBS	00066	- 1.10	32.96	26.53		1442.4							
	OBS	00070	- 1.28	33.04	26.60		1441.8							
	OBS	00072	- 1.14	33.02	26.58		1442.4							
	OBS	00074	- 0.22	33.08	26.59		1446.8							
	STD	00075	- 0.18	33.08	26.59	00.150	1447.0							
	OBS	00076	- 0.01	33.08	26.58		1447.8							
	OBS	00078	00.57	33.12	26.58		1450.6							
	OBS	00081	00.32	33.11	26.59		1449.5							
	OBS	00083	00.49	33.12	26.59		1450.3							
	OBS	00089	00.13	33.10	26.59		1448.7							
	OBS	00099	- 0.52	33.14	26.67		1446.0							
	STD	00100	- 0.76	33.15	26.67	00.185	1444.8							
	OBS	00100	- 0.97	33.15	26.68		1443.9							
	STD	00125	- 1.32	33.41	26.90	00.217	1443.0							
	OBS	00125	- 1.32	33.42	26.90		1443.0							
	STD	00150	- 1.17	33.58	27.03	00.244	1444.4							
	OBS	00150	- 1.16	33.58	27.03		1444.4							
	OBS	00175	- 0.87	33.75	27.15		1447.4							
	STD	00200	00.07	33.91	27.25	00.291	1451.4							
	OBS	00201	00.10	33.92	27.25		1451.6							
	OBS	00226	00.19	33.99	27.30		1452.5							
	STD	00250	00.44	34.06	27.34	00.330	1454.1							
	OBS	00251	00.45	34.06	27.34		1454.2							
	OBS	00276	00.75	34.16	27.41		1456.1							
	OBS	00298	01.20	34.25	27.45		1458.6							
	STD	00300	01.18	34.24	27.45	00.345	1458.5							
	OBS	00300	01.18	34.24	27.45		1458.5							
	OBS	00340	01.77	34.40	27.53		1462.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOYOP 00294	AIR TEMP 05.9	DIA HGT PER	WIND-DIR 25	INST STD RECORDER	TEM SO 1307
CONSEC 0144	MONTH 04	SHIP SV	WET BULB 09.4	00 X X	WIND-SPD 12	TRACE DIR 0	5 SQUARE 3
LAT 48 57.0N	DAY 18	DATA USE 1	BAROMETR 1011.0	SEA	WIND-FOR X2	DURATION 00.1	2 SQUARE 62
LONG 052 18.0W	MOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 923	1 SQUARE 62

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.6	STD	00000	02.27	31.14	24.89	00.000	1454.2							
	OBS	00005	02.27	31.14	24.89		1454.3							
	OBS	00009	01.85	31.29	25.04		1452.7							
	STD	00010	01.90	31.40	25.13	00.030	1453.0							
	OBS	00011	02.03	31.75	25.39		1454.1							
	OBS	00013	02.22	32.28	25.80		1455.7							
	OBS	00019	02.55	32.47	26.09		1457.8							
	STD	00020	01.52	32.73	26.19	00.053	1455.1							
	OBS	00020	01.51	32.79	26.26		1453.4							
	OBS	00024	01.46	33.02	26.45		1453.6							
	OBS	00026	01.01	32.98	26.44		1451.5							
	STD	00030	01.04	32.98	26.45	00.070	1451.8							
	OBS	00030	01.08	32.99	26.45		1451.9							
	OBS	00032	01.18	33.02	26.47		1452.4							
	OBS	00036	00.30	32.99	26.49		1448.5							
	OBS	00038	00.52	33.05	26.53		1449.6							
	OBS	00040	00.63	32.99	26.470 ⁰									
	OBS	00043	00.36	33.05	26.54		1449.0							
	OBS	00045	00.57	33.04	26.52		1449.9							
	STD	00050	00.44	33.02	26.51	00.101	1449.4							
	OBS	00051	00.26	33.02	26.52		1448.4							
	OBS	00053	- 0.09	33.05	26.56		1447.0							
	OBS	00055	- 0.09	33.05	26.56		1447.1							
	OBS	00057	00.16	33.09	26.58		1448.3							
	OBS	00060	00.34	33.14	26.61		1449.3							
	OBS	00070	- 0.22	33.12	26.62		1446.8							
	OBS	00074	- 0.07	33.18	26.66		1447.7							
	STD	00075	- 0.10	33.17	26.66	00.138	1447.5							
	OBS	00076	- 0.15	33.16	26.65		1447.3							
	OBS	00067	- 1.35	33.40	26.89		1442.4							
	STD	00100	- 1.35	33.41	26.90	00.170	1442.5							
	OBS	00100	- 1.34	33.42	26.91		1442.5							
	OBS	00110	- 1.01	33.52	26.98		1444.4							
	STD	00125	- 0.85	33.60	27.03	00.197	1445.5							
	OBS	00125	- 0.84	33.60	27.03		1445.5							
	STD	00150	- 0.61	33.75	27.15	00.221	1447.2							
	OBS	00150	- 0.58	33.76	27.15		1447.4							
	OBS	00154	- 0.28	33.82	27.19		1448.9							
	OBS	00163	00.12	33.88	27.22		1451.0							
	OBS	00177	00.25	33.96	27.28		1451.9							
	STD	00200	00.68	34.07	27.34	00.263	1454.4							
	OBS	00201	00.71	34.08	27.35		1454.6							
	OBS	00226	01.21	34.24	27.44		1457.5							
	STD	00250	01.54	34.36	27.52	00.294	1459.5							
	OBS	00251	01.57	34.37	27.52		1459.6							
	OBS	00276	02.42	34.63	27.66		1464.1							
	OBS	00285	02.46	34.64	27.67		1464.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00294 AIR TEMP 05.3 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1307
 CONSEC 0145 MONTH 04 SHIP EV WET BULB 05.2 22 0 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 3
 LAT 49 03.2N DAY 18 DATA USE 1 BAROMETER 1013.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 82
 LONG 052 02.1W HOUR 07.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 924 1 SQUARE 92

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.3	STD	00000	02.12	31.08	24.85	00.000	1453.4							
	OBS	00003	02.12	31.08	24.85		1453.5							
	OBS	00005	02.16	31.06	24.83		1453.7							
	OBS	00007	01.93	31.17	24.94		1452.8							
	OBS	00009	01.94	31.80	25.44		1453.8							
	STD	00010	02.17	31.98	25.57	00.028	1455.1							
	OBS	00011	02.62	32.42	25.88		1457.6							
	OBS	00013	02.73	32.83	26.20		1458.7							
	STD	00020	02.67	32.91	26.27	00.049	1458.7							
	OBS	00020	02.63	32.91	26.27		1458.5							
	OBS	00024	02.21	32.90	26.30		1456.7							
	STD	00030	01.10	32.64	26.33	00.066	1451.8							
	OBS	00030	00.95	32.83	26.33		1451.1							
	OBS	00032	00.41	32.88	26.40		1448.8							
	OBS	00034	- 0.15	32.91	26.45		1446.3							
	OBS	00038	- 0.21	32.91	26.45		1446.1							
	OBS	00040	- 0.40	32.95	26.49		1445.3							
	OBS	00045	- 0.48	32.99	26.53		1445.0							
	STD	00050	- 0.05	33.03	26.54	00.098	1447.2							
	OBS	00051	00.01	33.04	26.55		1447.5							
	OBS	00057	- 0.18	33.05	26.56		1446.7							
	OBS	00064	- 0.11	33.07	26.58		1447.2							
	OBS	00066	- 0.95	33.06	26.60		1443.3							
	STD	00075	- 1.36	33.23	26.75	00.133	1441.8							
	OBS	00076	- 1.39	33.24	26.76		1441.6							
	OBS	00081	- 1.49	33.28	26.80		1441.3							
	STD	00100	- 1.29	33.37	26.87	00.164	1442.7							
	OBS	00100	- 1.28	33.38	26.87		1442.8							
	STD	00125	- 0.98	33.57	27.01	00.192	1444.8							
	OBS	00125	- 0.96	33.55	27.03		1445.0							
	OBS	00127	- 0.90	33.66	27.08		1445.4							
	OBS	00133	- 0.31	33.73	27.12		1448.3							
	STD	00150	00.40	33.87	27.19	00.216	1452.0							
	OBS	00150	00.41	33.87	27.19		1452.1							
	OBS	00178	01.02	34.10	27.34		1455.6							
	OBS	00188	01.05	34.21	27.43		1456.2							
	STD	00200	01.23	34.24	27.44	00.255	1457.1							
	OBS	00203	01.50	34.28	27.45		1458.4							
	OBS	00226	01.73	34.35	27.49		1459.9							
	STD	00250	01.94	34.43	27.54	00.285	1461.3							
	OBS	00251	01.96	34.44	27.55		1461.5							
	OBS	00258	02.09	34.51	27.59		1462.3							
	OBS	00262	02.34	34.62	27.66		1463.6							
	OBS	00277	02.73	34.74	27.72		1465.7							
	OBS	00285	02.73	34.74	27.72		1465.8							

REFID 31 0463 YEAR 1975 BOTDP 00285 AIR TEMP 05.2 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1307
 CONSEC 0146 MONTH 06 SHIP EV WET BULB 05.2 35 1 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 3
 LAT 49 06.2N DAY 18 DATA USE 1 BAROMETER 1012.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 80
 LONG 051 47.5W HOUR 08.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 925 1 SQUARE 91

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
08.9	STD	00000	04.19	32.29	25.64	00.000	1464.0							
	OBS	00001	04.19	32.29	25.64		1464.0							
	OBS	00005	03.02	32.31	25.76		1459.1							
	OBS	00009	02.70	32.45	26.06		1458.3							
	STD	00010	02.44	32.67	26.09	00.021	1457.3							
	OBS	00011	01.89	32.70	26.16		1454.8							
	OBS	00013	01.31	32.72	26.22		1452.3							
	OBS	00015	01.01	32.87	26.36		1451.2							
	STD	00020	00.82	32.90	26.40	00.039	1450.5							
	OBS	00020	00.80	32.91	26.40		1450.4							
	STD	00030	00.80	32.94	26.42	00.056	1450.6							
	OBS	00030	00.80	32.94	26.43		1450.6							
	OBS	00049	00.35	32.94	26.45		1448.8							
	STD	00050	00.27	32.93	26.45	00.088	1448.3							
	OBS	00053	- 0.06	32.90	26.44		1447.0							
	OBS	00057	- 0.07	32.95	26.40		1447.1							
	OBS	00059	00.01	33.03	26.54		1447.6							
	OBS	00060	- 0.01	32.95	26.48		1447.6							
	STD	00075	- 1.21	33.15	26.69	00.125	1442.4							
	OBS	00076	- 1.26	33.17	26.70		1442.1							
	OBS	00085	- 1.46	33.34	26.84		1441.6							
	STD	00100	- 1.26	33.45	26.93	00.156	1442.9							
	OBS	00100	- 1.25	33.44	26.93		1443.0							
	STD	00125	- 0.88	33.69	27.11	00.182	1445.5							
	OBS	00125	- 0.87	33.69	27.11		1445.5							
	STD	00150	- 0.57	33.78	27.17	00.205	1447.5							
	OBS	00152	- 0.47	33.80	27.18		1448.0							
	OBS	00165	00.31	33.96	27.27		1452.0							
	OBS	00177	00.54	34.06	27.34		1453.4							
	OBS	00184	01.01	34.08	27.33		1455.6							
	OBS	00190	00.83	34.10	27.35		1455.0							
	STD	00200	01.11	34.20	27.41	00.245	1456.5							
	OBS	00201	01.16	34.21	27.42		1456.8							
	OBS	00226	01.65	34.32	27.48		1459.5							
	STD	00250	01.94	34.43	27.54	00.276	1461.4							
	OBS	00251	01.96	34.44	27.55		1461.5							
	OBS	00264	02.15	34.50	27.58		1462.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MDDC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00313	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 01	INST STC RECORDER	TEM SO 1907
CONSEC 0147	MONTH 04	SHIP EV	WET BULB 06.1	35 0 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 3
LAT 49 09.0N	DAY 18	DATA USE 1	BARCHETA 1013.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 091 36.3W	HOUR 10.3	AREA 05	CLOUD T/A	CL/7R	WEATHER X2	DRIG 011 926	1 SQUARE 91

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OKYG	PD4	TOT 2	NO2	NO3	SI03	PH
10.5	STD	00000	04.41	32.04	25.42	00.000	1464.6							
	OBS	00001	04.41	32.04	25.42		1464.6							
	OBS	00003	02.98	32.00	25.32		1458.5							
	OBS	00007	02.49	32.67	26.06		1459.1							
	OBS	00009	02.40	32.62	26.05		1457.3							
	STD	00010	02.85	32.65	26.04	00.023	1458.9							
	OBS	00013	03.19	32.71	26.07		1460.5							
	OBS	00015	01.72	32.66	26.14		1454.1							
	OBS	00017	01.14	32.69	26.20		1451.5							
	STD	00020	00.74	32.67	26.21	00.042	1449.8							
	OBS	00020	00.44	32.66	26.21		1449.3							
	OBS	00026	00.30	32.78	26.32		1448.0							
	OBS	00028	- 0.23	32.82	26.38		1445.7							
	STD	00030	- 0.07	32.82	26.37	00.055	1446.4							
	OBS	00032	00.03	32.80	26.35		1446.9							
	OBS	00034	- 0.06	32.78	26.34		1446.5							
	OBS	00043	- 0.13	32.87	26.42		1446.5							
	STD	00050	- 1.02	32.87	26.45	00.092	1442.4							
	OBS	00051	- 1.12	32.87	26.45		1442.0							
	OBS	00055	- 1.19	33.00	26.56		1441.5							
	OBS	00057	- 0.93	32.97	26.53		1443.1							
	OBS	00059	- 0.91	32.99	26.54		1443.3							
	OBS	00062	- 1.23	32.96	26.53		1441.8							
	STD	00075	- 1.50	33.03	26.60	00.125	1440.8							
	OBS	00076	- 1.51	33.04	26.60		1440.8							
	OBS	00085	- 1.57	33.10	26.65		1440.7							
	STD	00100	- 1.52	33.14	26.68	00.165	1441.3							
	OBS	00100	- 1.51	33.14	26.68		1441.3							
	STD	00125	- 1.00	33.40	26.88	00.166	1444.5							
	OBS	00127	- 0.95	33.43	26.90		1444.8							
	STD	00150	- 0.59	33.71	27.11	00.223	1447.3							
	OBS	00150	- 0.58	33.71	27.11		1447.3							
	OBS	00175	- 0.01	33.88	27.22		1450.6							
	OBS	00188	00.43	33.98	27.28		1452.5							
	STD	00200	00.37	34.02	27.32	00.266	1452.9							
	OBS	00201	00.36	34.03	27.33		1452.5							
	OBS	00211	00.35	34.06	27.35		1453.1							
	OBS	00217	00.83	34.14	27.39		1455.5							
	OBS	00226	01.04	34.22	27.44		1456.7							
	STD	00250	01.63	34.33	27.48	00.300	1459.8							
	OBS	00251	01.66	34.34	27.49		1460.0							
	OBS	00260	01.51	34.46	27.57		1461.4							
	OBS	00262	02.94	34.44	27.470		1461.6							
	OBS	00264	01.94	34.44	27.55		1462.1							
	OBS	00276	02.00	34.48	27.58		1462.9							
	STD	00300	02.09	34.52	27.60	00.325	1463.3							
	OBS	00302	02.16	34.54	27.61		1463.3							
	OBS	00306	02.28	34.57	27.63		1464.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
PEFID 31 0463	YEAR 1975	BOTDP 00317	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1307							
CONSEC 0148	MONTH 04	SHIP EV	WET BULB 05.8	00 X X	WIND-SPD 10	TRACE DIR D	5 SQUARE 3							
LAT 49 16.1N	DAY 18	DATA USE 1	BARCHMETR 1016.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80							
LONG 051 26.0W	HOUR 12.3	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	DRG 011 927 30	1 SQUARE 91							
CAS/NUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND VEL	OKYC	PD4	TOT P	ND2	ND3	SIG3	PH
12.3	STD	00000	02.96	32.15	25.64	00.000	1458.6							
	OBS	00001	02.96	32.15	25.64		1458.6							
	STD	00010	02.53	32.64	26.07	00.022	1457.5							
	OBS	00011	02.50	32.70	26.12		1457.5							
	STD	00020	02.55	32.85	26.23	00.040	1458.0							
	OBS	00020	02.57	32.86	26.24		1458.2							
	OBS	00026	02.79	32.92	26.27		1459.3							
	STD	00030	02.47	32.88	26.26	00.058	1457.9							
	OBS	00030	02.38	32.88	26.27		1457.5							
	OBS	00036	01.31	32.87	26.34		1452.8							
	OBS	00036	01.02	32.90	26.38		1451.6							
	OBS	00038	00.90	32.93	26.41		1451.1							
	OBS	00040	00.89	32.92	26.40		1451.1							
	OBS	00043	00.66	33.01	26.49		1450.3							
	OBS	00045	00.89	33.01	26.48		1451.3							
	STD	00050	00.54	33.01	26.50	00.091	1449.8							
	OBS	00053	00.40	33.01	26.50		1449.2							
	OBS	00057	00.37	32.98	26.48		1449.1							
	OBS	00060	- 0.24	33.02	26.54		1446.4							
	OBS	00068	- 0.20	33.05	26.56		1446.8							
	OBS	00072	00.07	33.11	26.60		1448.2							
	STD	00075	00.14	33.12	26.60	00.129	1448.5							
	OBS	00076	00.14	33.12	26.61		1448.6							
	OBS	00089	- 0.86	33.27	26.77		1444.4							
	OBS	00093	- 0.36	33.40	26.85		1447.0							
	OBS	00097	- 0.91	33.37	26.85		1444.4							
	OBS	00099	- 0.95	33.45	26.92		1444.4							
	STD	00100	- 0.94	33.44	26.91	00.161	1444.4							
	OBS	00100	- 0.94	33.43	26.90		1444.4							
	OBS	00104	- 0.68	33.48	26.93		1445.8							
	OBS	00106	- 0.65	33.49	26.94		1446.0							
	OBS	00116	- 0.95	33.56	27.01		1444.8							
	STD	00125	- 0.41	33.62	27.04	00.188	1447.5							
	OBS	00127	- 0.26	33.66	27.06		1448.3							
	OBS	00133	- 0.61	33.78	27.17		1447.0							
	OBS	00139	- 0.34	33.80	27.18		1448.4							
	STD	00150	- 0.29	33.86	27.22	00.212	1448.8							
	OBS	00150	- 0.29	33.86	27.22		1448.5							
	OBS	00175	00.14	34.06	27.36		1451.5							
	OBS	00182	00.74	34.09	27.35		1454.4							
	STD	00200	00.67	34.19	27.43	00.250	1455.4							
	OBS	00203	01.01	34.21	27.43		1456.1							
	OBS	00209	01.30	34.23	27.43		1457.6							
	OBS	00226	01.47	34.37	27.53		1458.8							
	STD	00250	01.99	34.44	27.54	00.281	1461.5							
	OBS	00251	02.00	34.44	27.55		1461.6							
	OBS	00276	02.00	34.50	27.59		1462.1							
	STD	00300	02.60	34.71	27.71	00.305	1465.4							
	OBS	00300	02.61	34.71	27.71		1465.5							
	OBS	00310	02.67	34.72	27.71		1465.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

HDC STATICA DATA

FFIC 31 0463	YEAR 1975	BCTOP 00333	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1307
CONSEC 0145	MONTH 06	SHIP EV	MET BULB 04.0	00 X X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 3
LAT 49 21.0N	DAY 18	DATA USE 1	BAROMETR 1016.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 051 08.0W	MOOR 13.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIP 011 928 25	1 SQUARE 91

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DTYG	PO4	TOT P	NO2	NO3	SIG3	PH
13.9	STD	00000	04.94	32.35	25.61	00.000	1467.2							
	OBS	00001	04.94	32.35	25.61		1467.3							
	OBS	00003	04.87	32.37	25.63		1467.0							
	OBS	00005	04.50	32.35	25.65		1469.5							
	OBS	00007	03.55	32.91	26.11		1462.1							
	STD	00010	03.29	32.91	26.21	00.021	1461.2							
	OBS	00011	03.14	32.95	26.26		1460.7							
	STD	00020	02.84	32.98	26.31	00.035	1459.5							
	OBS	00020	02.81	32.98	26.31		1459.4							
	OBS	00022	02.74	32.97	26.31		1459.1							
	OBS	00028	01.45	32.99	26.42		1453.7							
	STD	00030	01.27	33.03	26.47	00.055	1452.8							
	OBS	00030	01.21	33.04	26.48		1452.6							
	OBS	00036	01.18	33.06	26.50		1452.6							
	OBS	00040	01.11	33.15	26.57		1452.4							
	OBS	00045	00.63	33.19	26.64		1450.5							
	STD	00050	00.49	33.20	26.65	00.085	1449.9							
	OBS	00051	00.12	33.22	26.69		1448.2							
	OBS	00053	- 0.36	33.25	26.73		1446.1							
	OBS	00059	- 0.94	33.42	26.89		1443.7							
	OBS	00062	- 0.49	33.42	26.88		1445.5							
	STD	00075	- 0.63	33.61	27.04	00.115	1445.7							
	OBS	00076	- 0.65	33.63	27.05		1445.6							
	OBS	00078	- 0.69	33.60	27.03		1445.4							
	OBS	00083	- 0.22	33.71	27.10		1447.5							
	OBS	00089	- 0.40	33.71	27.11		1447.1							
	STD	00100	- 0.34	33.82	27.19	00.139	1447.7							
	OBS	00100	- 0.32	33.82	27.19		1447.8							
	OBS	00104	- 0.18	33.82	27.18		1448.6							
	STD	00125	00.33	33.96	27.27	00.160	1451.4							
	OBS	00125	00.34	33.96	27.27		1451.5							
	STD	00150	00.70	34.11	27.37	00.180	1453.7							
	OBS	00150	00.71	34.11	27.37		1453.8							
	OBS	00175	01.19	34.28	27.48		1456.6							
	OBS	00184	01.27	34.33	27.51		1457.2							
	OBS	00188	01.53	34.36	27.52		1458.4							
	STD	00200	01.60	34.38	27.53	00.212	1459.0							
	OBS	00201	01.62	34.39	27.53		1459.1							
	OBS	00226	02.09	34.54	27.62		1461.8							
	STD	00250	02.31	34.59	27.64	00.238	1463.2							
	OBS	00251	02.32	34.59	27.64		1463.2							
	OBS	00276	02.52	34.66	27.68		1464.6							
	STD	00300	02.66	34.72	27.71	00.260	1465.7							
	OBS	00300	02.66	34.72	27.71		1465.7							
	OBS	00325	02.71	34.72	27.71		1466.3							

AD-A066 290

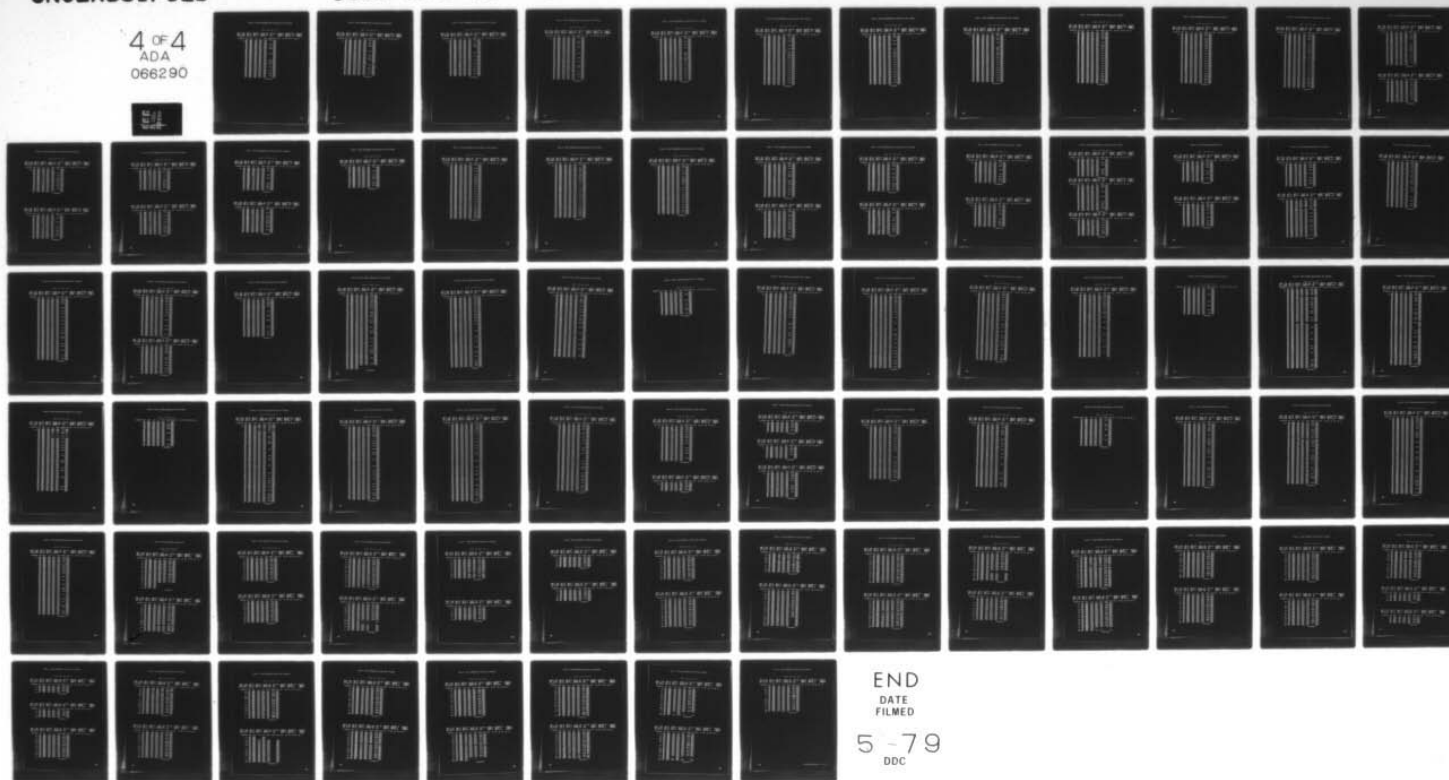
COAST GUARD WASHINGTON D C OCEANOGRAPHIC UNIT
OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND - 1975.(U)
APR 78 D G MOUNTAIN
USCG-373-75

F/6 8/3

UNCLASSIFIED

NL

4 OF 4
ADA
066290



END
DATE
FILMED

5-79
DDC

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA														
REFID 31 0443	YEAR 1975	QUTDP 00335	ATR TEMP 04.5	DIR WGT PER	WIND-DIR 05	INST STD RECORDER	TEM SQ 1307							
CONSEC 0130	MONTH 06	SHIP EV	WET BULB 04.1	00 X X	WIND-SPD 09	TRACE DIR	5 SQUARE 3							
LAT 49 25.4N	DAY 18	DATA USE 1	BARCHETA 1014.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80							
LONG 050 51.0W	MOOR 15.8	AREA 05	CLOUD T/A	CL/7R	WEATHER X1	ORIG 011 925 19	1 SQUARE 90							
CASHTUN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.8	STD	00000	04.56	33.08	26.23	00.000	1466.6							
	OBS	00001	04.56	33.08	26.23		1466.7							
	OBS	00005	04.41	33.08	26.24		1466.1							
	OBS	00007	03.60	33.01	26.27		1462.6							
	OBS	00009	03.28	33.12	26.38		1461.4							
	STD	00010	03.28	33.12	26.38	00.017	1461.4							
	OBS	00011	03.21	33.12	26.39		1461.1							
	OBS	00013	02.96	33.10	26.40		1460.1							
	STD	00020	02.90	33.22	26.50	00.033	1460.1							
	OBS	00020	02.87	33.24	26.52		1460.0							
	STD	00030	02.27	33.38	26.68	00.048	1457.7							
	OBS	00030	02.21	33.40	26.70		1457.5							
	OBS	00034	01.64	33.56	26.87		1455.3							
	OBS	00038	01.27	33.57	26.90		1453.7							
	OBS	00040	00.78	33.54	26.91		1451.5							
	OBS	00041	00.52	33.66	27.02		1450.5							
	STD	00050	00.43	33.72	27.07	00.072	1450.3							
	OBS	00051	00.42	33.74	27.09		1450.3							
	OBS	00053	00.71	33.78	27.10		1451.7							
	OBS	00055	00.77	33.80	27.12		1452.0							
	OBS	00057	00.19	33.82	27.17		1449.5							
	OBS	00062	00.13	33.88	27.22		1449.4							
	OBS	00070	00.43	33.92	27.23		1450.9							
	OBS	00074	01.03	33.96	27.23		1453.7							
STD	00075	00.77	33.93	27.22	00.095	1452.5								
OBS	00076	00.43	33.89	27.21		1451.0								
STD	00100	00.81	34.04	27.31	00.115	1453.3								
OBS	00102	00.87	34.06	27.32		1453.6								
STD	00125	01.51	34.24	27.42	00.133	1457.1								
OBS	00125	01.51	34.24	27.42		1457.1								
OBS	00140	01.41	34.28	27.46		1457.0								
OBS	00146	01.85	34.33	27.47		1459.1								
STD	00150	01.76	34.31	27.46	00.150	1458.8								
OBS	00152	01.72	34.30	27.45		1458.6								
OBS	00156	01.47	34.28	27.44		1458.4								
OBS	00175	01.47	34.36	27.52		1457.9								
STD	00200	01.89	34.48	27.59	00.175	1460.4								
OBS	00201	01.92	34.49	27.59		1460.5								
OBS	00228	02.41	34.63	27.66		1463.3								
STD	00250	02.59	34.70	27.70	00.202	1464.5								
OBS	00251	02.60	34.70	27.70		1464.6								
OBS	00276	02.77	34.76	27.74		1465.8								
STD	00300	02.92	34.81	27.76	00.222	1466.5								
OBS	00300	02.92	34.81	27.76		1467.0								
OBS	00325	02.92	34.81	27.76		1467.4								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

REFID 31 0443 YEAR 1975 SOTOP 00327 AIR TEMP 07.0 DIR HGT PER WIND-DIR 04 INST STE RECORDER TEN SQ 1307
 CONSEC 0151 MONTH 04 S+IP EV MET GULB 04.5 00 X X WIND-SPD 09 TRACE DIR D 5 SQUARE 3
 LAT 49 25.04 DAY 18 DATA USE 1 BAROMETER 1016.5 SEA 00.1 DURATION 00.1 2 SQUARE 80
 LONG 090 37.04 HOUR 17.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 930 19 1 SQUARE 90

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	QXVG	PO4	TOT Y	Q02	Q03	SIGS	PH
17.2	STD	00000	04.82	32.80	25.98	00.000	1467.3							
	OBS	00001	04.82	32.80	25.98		1467.4							
	OBS	00003	04.64	32.88	26.06		1466.8							
	STD	00010	03.61	33.07	26.31	00.015	1462.8							
	OBS	00011	03.44	33.10	26.35		1462.2							
	STD	00020	03.25	33.13	26.39	00.036	1461.5							
	OBS	00020	03.22	33.13	26.40		1461.4							
	STD	00030	02.04	33.15	26.45	00.052	1459.9							
	OBS	00030	02.81	33.16	26.46		1459.8							
	OBS	00036	02.33	33.31	26.62		1458.0							
	OBS	00040	02.34	33.48	26.75		1458.4							
	OBS	00043	01.34	33.49	26.83		1456.0							
	OBS	00049	- 0.31	33.57	26.99		1446.7							
	STD	00050	- 0.17	33.63	27.03	00.078	1447.4							
	OBS	00051	00.15	33.76	27.12		1449.1							
	OBS	00055	00.45	33.76	27.10		1450.5							
	OBS	00059	00.28	33.73	27.09		1449.8							
	OBS	00074	00.66	33.84	27.16		1451.9							
	STD	00075	00.64	33.84	27.16	00.103	1451.8							
	OBS	00078	00.55	33.83	27.15		1451.5							
	OBS	00079	00.36	33.90	27.22		1450.7							
	STD	00100	00.51	34.07	27.35	00.123	1452.0							
	OBS	00100	00.52	34.07	27.35		1452.0							
	STD	00125	00.70	34.10	27.36	00.142	1452.3							
	OBS	00125	00.72	34.12	27.38		1452.4							
	OBS	00127	00.79	34.18	27.42		1453.9							
	OBS	00131	01.37	34.22	27.42		1456.6							
	OBS	00146	01.64	34.21	27.3900									
	OBS	00148	01.33	34.23	27.43		1456.7							
	STD	00150	01.32	34.25	27.44	00.156	1456.7							
	OBS	00152	01.30	34.27	27.46		1456.7							
	OBS	00156	01.50	34.28	27.45		1457.6							
	OBS	00175	01.40	34.32	27.49		1457.6							
	STD	00200	01.58	34.40	27.55	00.189	1458.6							
	OBS	00201	01.60	34.41	27.55		1459.0							
	OBS	00226	02.03	34.52	27.61		1461.5							
	STD	00250	02.40	34.62	27.66	00.214	1463.6							
	OBS	00255	02.47	34.64	27.67		1464.0							
	OBS	00277	02.71	34.72	27.71		1465.6							
	STD	00300	02.94	34.82	27.77	00.235	1467.1							
	OBS	00302	02.96	34.83	27.77		1467.2							
	OBS	00317	03.00	34.83	27.77		1467.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463 YEAR 1975 BOTOP 00329 AIR TEMP 06.4 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1307
 CONSEC 0152 MONTH 04 SHIP EV WET BULB 05.9 00 X X WIND-SPD 10 TRACE DIR D 5 SQUARE 3
 LAT 49 33.5N DAY 18 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 80
 LONG 350 23.5W HOUR 18.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 931 27 1 SQUARE 90

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVG	PO4	TOT_P	NO2	NO3	SIO3	PH
18.5	STD	00000	04.80	32.90	26.06	00.000	1467.4							
	OBS	00001	04.80	32.90	26.06		1467.4							
	OBS	00009	04.48	32.83	26.04		1466.1							
	STD	00010	04.15	32.87	26.10	00.019	1464.8							
	OBS	00011	03.38	32.97	26.26		1461.7							
	OBS	00015	02.96	32.98	26.30		1460.0							
	STD	00020	02.33	32.99	26.36	00.037	1457.3							
	OBS	00022	01.82	33.00	26.46		1451.5							
	STD	00030	01.00	33.03	26.48	00.054	1451.6							
	OBS	00030	00.99	33.03	26.49		1451.6							
	OBS	00038	00.40	33.02	26.50		1449.9							
	OBS	00040	00.13	33.01	26.52		1447.8							
	OBS	00041	00.13	33.16	26.64		1448.0							
	OBS	00045	- 0.61	33.23	26.73		1444.8							
	OBS	00047	- 0.74	33.34	26.82		1444.4							
	STD	00050	- 0.34	33.34	26.82	00.082	1445.3							
	OBS	00051	- 0.45	33.35	26.82		1445.8							
	OBS	00055	- 0.32	33.38	26.84		1446.5							
	OBS	00059	- 1.03	33.37	26.86		1443.2							
	STD	00075	- 0.83	33.55	26.99	00.110	1444.7							
	OBS	00076	- 0.80	33.56	27.00		1444.9							
	OBS	00085	- 0.06	33.73	27.11		1448.8							
	OBS	00087	- 0.06	33.70	27.08		1448.8							
	OBS	00099	- 0.27	33.74	27.12		1447.9							
	STD	00100	- 0.23	33.75	27.13	00.136	1448.1							
	OBS	00100	- 0.20	33.74	27.14		1448.3							
	OBS	00118	- 0.01	33.93	27.26		1449.7							
	OBS	00121	00.48	33.95	27.25		1452.0							
	STD	00125	00.42	33.96	27.26	00.156	1451.8							
	OBS	00125	00.41	33.96	27.27		1451.8							
	OBS	00140	00.94	34.07	27.32		1454.6							
	STD	00150	00.95	34.13	27.37	00.177	1454.5							
	OBS	00152	00.96	34.14	27.38		1455.0							
	OBS	00175	01.05	34.22	27.44		1455.5							
	STD	00200	01.46	34.35	27.51	00.205	1458.3							
	OBS	00201	01.45	34.36	27.52		1458.5							
	OBS	00226	01.91	34.47	27.58		1460.5							
	STD	00250	02.31	34.51	27.66	00.235	1463.2							
	OBS	00251	02.33	34.62	27.66		1463.3							
	OBS	00277	02.52	34.67	27.69		1464.7							
	STD	00300	02.78	34.76	27.73	00.257	1466.3							
	OBS	00300	02.80	34.76	27.73		1466.4							
	OBS	00323	02.92	34.80	27.75		1467.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 8443	YEAR 1975	BOTDP 00355	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1307
CONSEC 0153	MONTH 04	SHIP EV	MET SULB 05.8	35 0 2	WIND-SPD 09	TRACE CIR 0	5 SQUARE 3
LAT 46 34.5N	DAY 18	DATA USE 1	BAROMETA 1017.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 050 10.0W	MOOR 20.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 932 15	1 SQUARE 60

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.5	STD	C0000	04.75	32.91	26.07	00.000	1467.2							
	OBS	00003	04.75	32.91	26.07		1467.3							
	OBS	00005	04.78	32.88	26.04		1467.4							
	OBS	00007	03.44	32.81	26.12		1461.7							
	OBS	00005	02.82	32.93	26.27		1455.2							
	STD	C0010	02.78	32.94	26.29	00.018	1459.0							
	OBS	00011	02.67	32.97	26.32		1458.6							
	STD	00020	02.58	32.96	26.32	00.036	1458.3							
	OBS	00020	02.53	32.96	26.32		1458.1							
	OBS	00024	02.24	33.00	26.38		1457.0							
	OBS	00026	00.73	33.12	26.57		1450.4							
	STD	00030	00.27	33.21	26.67	00.051	1448.5							
	OBS	00030	00.20	33.22	26.68		1448.2							
	OBS	00038	- 1.02	33.46	26.93		1443.1							
	OBS	00041	00.84	33.65	26.99		1451.5							
	OBS	00043	01.08	33.63	26.96		1453.0							
	OBS	00045	02.04	33.80	27.03		1457.5							
	OBS	00049	02.30	33.82	27.03		1458.8							
	STD	00050	02.08	33.79	27.02	00.076	1457.8							
	OBS	00051	01.58	33.72	27.00		1455.5							
	OBS	00057	01.50	33.68	26.97		1455.2							
	OBS	00059	00.34	33.63	27.01		1446.9							
	OBS	00060	- 0.34	33.64	27.05		1446.8							
	OBS	00062	- 0.53	33.73	27.13		1446.1							
	STD	00075	- 0.27	33.79	27.17	00.100	1447.6							
	OBS	00076	- 0.24	33.80	27.17		1447.8							
	OBS	00085	00.12	33.88	27.22		1449.7							
	OBS	00089	00.42	33.90	27.22		1451.2							
	STD	00100	00.41	33.99	27.28	00.121	1452.3							
	OBS	00100	00.42	34.00	27.29		1452.4							
	OBS	00119	00.62	34.10	27.37		1452.8							
	OBS	00121	01.15	34.15	27.37		1455.3							
	OBS	00123	00.84	34.10	27.35		1453.9							
	STD	C0125	00.83	34.11	27.37	00.140	1453.9							
	OBS	00125	00.82	34.12	27.37		1453.9							
	STD	C0150	01.09	34.24	27.45	00.158	1455.7							
	OBS	00150	01.10	34.24	27.45		1455.7							
	OBS	00175	01.64	34.38	27.52		1458.7							
	OBS	00196	01.98	34.49	27.59		1460.7							
	OBS	00199	02.38	34.52	27.58		1462.6							
	STD	C0200	02.38	34.52	27.58	00.187	1462.6							
	OBS	00201	02.36	34.52	27.58		1462.5							
	OBS	00226	02.09	34.54	27.62		1461.8							
	STD	00250	02.25	34.61	27.66	00.212	1462.9							
	OBS	00251	02.26	34.61	27.66		1463.0							
	OBS	00276	02.59	34.70	27.70		1465.0							
	STD	00300	02.74	34.78	27.75	00.232	1466.2							
	OBS	00300	02.75	34.78	27.75		1466.2							
	OBS	00350	03.07	34.86	27.79		1468.5							
	OBS	00354	03.07	34.86	27.79		1468.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOATP 00730	AIR TEMP 04.5	DIR HGT PER 04 0 2	WIND-DIR 06	INST STD RECORDER	TEN SO 1306
CONSEC 0154	MONTH 06	SHIP EV	WET BULB 06.1	SEA	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 49 42.04	DAY 18	DATA USE 1	BAROMETR 1017.7	CL/TR	WIND-FOR X1	DURATION 00.3	2 SQUARE 88
LONG 049 55.14	HOUR 22.7	AREA 05	CLOUD T/A		WEATHER	ORIG 011 933	1 SQUARE 99

CAS	TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	SYN	VEL	OKYG	PD4	TOT P	NO2	NO3	S103	PH
	STD	00000	04.07	33.19	26.36	00.000	1464.7								
22.7	00003	04.07	33.19	26.36			1464.8								
	00007	03.27	33.38	26.59			1461.7								
	00008	03.40	33.53	26.71			1462.5								
	00010	03.43	33.54	26.70		00.015	1462.6								
	00011	03.47	33.52	26.68			1462.8								
	00015	03.32	33.55	26.72			1462.3								
	00020	02.47	33.84	27.03		00.027	1459.1								
	00020	02.39	33.90	27.08			1458.8								
	00022	02.29	34.03	27.19			1458.4								
	00024	00.93	33.90	27.19			1452.4								
	00030	00.39	33.94	27.25		00.036	1450.1								
	00030	00.37	33.95	27.26			1450.0								
	00032	00.33	33.99	27.30			1449.9								
	00034	00.38	34.03	27.32			1450.3								
	00036	00.55	34.05	27.33			1451.1								
	00040	00.55	34.09	27.36			1451.2								
	00050	01.06	34.17	27.40		00.052	1453.8								
	00051	01.12	34.18	27.40			1454.1								
	00075	01.91	34.36	27.49		00.068	1458.2								
	00076	01.92	34.36	27.49			1458.3								
	00085	01.94	34.34	27.47			1458.5								
	00100	01.68	34.37	27.51		00.083	1457.6								
	00100	01.64	34.37	27.51			1457.6								
	00125	02.75	34.58	27.59		00.057	1463.0								
	00125	02.76	34.58	27.59			1463.1								
	00150	02.48	34.64	27.67		00.105	1462.3								
	00152	02.47	34.65	27.67			1462.3								
	00175	02.60	34.69	27.70			1463.3								
	00200	02.77	34.74	27.72		00.130	1464.6								
	00201	02.78	34.74	27.72			1464.6								
	00226	02.82	34.76	27.73			1465.2								
	00250	02.86	34.77	27.74		00.149	1465.8								
	00251	02.86	34.77	27.74			1465.8								
	00276	02.90	34.79	27.75			1466.4								
	00300	02.92	34.80	27.75		00.168	1466.9								
	00300	02.92	34.80	27.75			1467.0								
	00350	03.16	34.85	27.77			1468.9								
	00400	03.14	34.86	27.78		00.205	1469.6								
	00401	03.14	34.86	27.78			1469.6								
	00453	03.28	34.89	27.79			1471.1								
	00500	03.32	34.89	27.79		00.241	1472.1								
	00502	03.32	34.89	27.79			1472.1								
	00550	03.16	34.87	27.79			1472.2								
	00600	03.14	34.87	27.79		00.277	1472.6								
	00601	03.14	34.87	27.79			1473.0								
	00651	03.11	34.88	27.80			1473.7								
	00700	03.11	34.87	27.79		00.314	1474.5								
	00700	03.11	34.87	27.79			1474.5								
	00725	03.11	34.88	27.80			1474.6								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0443	YEAR 1975	BOTDP 01114	AIR TEMP 00.5	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1304
CONSEC 0193	MONTH 04	SHIP EV	WET BULB 07.0	00 X X	WIND-SPD 07	TRACE DIR 0	5 SQUARE 4
LA* 49 45.04	DAY 19	DATA USE 1	BAROMETER 1016.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 88
LONG 049 41.04	HOUR 00.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 934	1 SQUARE 99

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	OKVC	PO4	TOT P	NO2	NO3	SIG3	PH
00.9	STD	00000	06.08	33.99	26.77	00.000	1474.1							
	OBS	00003	06.08	33.99	26.77		1474.1							
	OBS	00005	06.06	33.98	26.76		1474.1							
	STD	00010	05.21	34.06	26.93	00.012	1470.8							
	OBS	00013	04.68	34.09	26.98		1469.9							
	OBS	00015	05.02	34.10	26.98		1470.1							
	STD	00020	04.83	34.12	27.02	00.023	1469.5							
	OBS	00020	04.72	34.12	27.03		1469.0							
	OBS	00022	04.41	34.11	27.06		1467.8							
	OBS	00024	03.25	34.10	27.17		1462.9							
	OBS	00026	02.76	34.30	27.37		1461.1							
	STD	00030	02.85	34.41	27.45	00.032	1461.7							
	OBS	00030	02.87	34.42	27.46		1461.8							
	OBS	00034	03.09	34.45	27.46		1462.8							
	OBS	00049	03.07	34.48	27.49		1463.0							
	STD	00050	03.03	34.48	27.49	00.044	1462.9							
	OBS	00053	02.82	34.48	27.51		1462.0							
	OBS	00057	03.01	34.45	27.470									
	OBS	00064	02.38	34.50	27.56		1460.3							
	STD	00075	02.55	34.53	27.57	00.058	1461.2							
	OBS	00076	02.56	34.53	27.57		1461.3							
	STD	00100	02.51	34.61	27.64	00.071	1461.6							
	OBS	00100	02.51	34.61	27.64		1461.6							
	STD	00125	02.59	34.66	27.67	00.082	1462.4							
	OBS	00125	02.59	34.66	27.67		1462.4							
	STD	00150	02.40	34.70	27.70	00.093	1462.9							
	OBS	00150	02.40	34.70	27.70		1463.0							
	OBS	00175	02.77	34.74	27.72		1464.1							
	STD	00200	02.92	34.79	27.74	00.113	1465.3							
	OBS	00203	02.94	34.79	27.74		1465.4							
	OBS	00226	03.04	34.80	27.74		1466.2							
	STD	00250	03.11	34.82	27.75	00.131	1466.9							
	OBS	00251	03.11	34.82	27.75		1467.0							
	OBS	00276	03.14	34.84	27.77		1467.5							
	STD	00300	03.13	34.84	27.77	00.150	1467.9							
	OBS	00300	03.13	34.84	27.77		1467.9							
	OBS	00352	03.17	34.86	27.78		1469.0							
	STD	00400	03.17	34.87	27.79	00.186	1469.8							
	OBS	00401	03.17	34.87	27.79		1469.8							
	OBS	00453	03.27	34.89	27.79		1471.1							
	STD	00500	03.27	34.89	27.79	00.221	1471.9							
	OBS	00500	03.27	34.89	27.79		1471.9							
	OBS	00550	03.25	34.89	27.80		1472.6							
	STD	00600	03.23	34.90	27.81	00.256	1473.4							
	OBS	00601	03.23	34.90	27.81		1473.4							
	OBS	00651	03.23	34.90	27.81		1474.2							
	STD	00700	03.24	34.90	27.80	00.292	1475.1							
	OBS	00700	03.24	34.90	27.80		1475.1							
	OBS	00750	03.23	34.90	27.81		1475.9							
	STD	00800	03.21	34.90	27.81	00.328	1476.6							
	OBS	00801	03.21	34.90	27.81		1476.6							
	OBS	00850	03.21	34.90	27.81		1477.5							
	STD	00900	03.21	34.90	27.81	00.365	1478.3							
	OBS	00900	03.21	34.90	27.81		1478.3							
	OBS	00951	03.25	34.91	27.81		1479.3							
	STD	01000	03.27	34.91	27.81	00.403	1480.2							
	OBS	01001	03.27	34.91	27.81		1480.2							
	OBS	01052	03.32	34.93	27.82		1481.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

SEPID	31	0463	YEAR	1975	BOTDP	01483	AIR TEMP	07.0	DIA MGT	PER	WIND-DIA	12	INST STC	RECORDER	TEN SO	1306		
CONSEC	0134		MONTH	06	SHIP	SV	WET BULB	04.5	00	X	X	WIND-SPD	10	TRACE DIA	5	SQUARE	4	
LAT	49	52.0N	DAY	19	DATA	USE	BAROMETR	1014.7	SEA			WIND-FOR		SURFATION	00.4	2	SQUARE	00
LONG	049	26.0W	HOUR	03.2	AREA	05	CLOUD	T/A	CL/TR		WEATHER	X2	CRIS	011	935	1	SQUARE	99

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SHD VEL	CHYC	PO4	TOT P	NO2	NO3	SIO3	PH
03.2	STD	00000	05.26	33.98	26.86	00.000	1470.7							
	005	00003	05.26	33.98	26.86		1470.8							
	STD	00010	04.90	34.06	26.96	00.012	1469.5							
	005	00011	04.92	34.07	26.98		1469.2							
	005	00017	04.52	34.12	27.05		1468.1							
	005	00019	03.89	34.16	27.15		1465.6							
	STD	00020	03.61	34.34	27.34	00.021	1464.7							
	005	00020	03.49	34.40	27.45		1464.3							
	005	00022	03.66	34.51	27.45		1465.1							
	005	00028	03.39	34.50	27.47		1464.1							
	STD	00030	03.25	34.47	27.66	00.028	1463.5							
	005	00030	03.21	34.46	27.66		1463.3							
	005	00032	03.10	34.44	27.47		1462.8							
	005	00034	02.62	34.40	27.46		1460.7							
	005	00040	02.23	34.38	27.48		1459.1							
	005	00041	01.66	34.37	27.49		1457.9							
	STD	00050	02.02	34.42	27.53	00.040	1458.4							
	005	00051	02.03	34.43	27.53		1458.5							
	005	00062	01.71	34.43	27.56		1457.2							
	STD	00075	01.74	34.45	27.57	00.053	1457.6							
005	00076	01.73	34.45	27.57		1457.7								
STD	00100	02.06	34.55	27.63	00.066	1459.6								
005	00100	02.07	34.55	27.63		1459.6								
STD	00125	02.34	34.62	27.66	00.078	1461.3								
005	00125	02.34	34.62	27.66		1461.3								
STD	00150	02.39	34.65	27.68	00.085	1462.0								
005	00150	02.39	34.65	27.68		1462.0								
005	00175	02.64	34.71	27.71		1463.5								
STD	00200	02.89	34.77	27.73	00.105	1465.1								
005	00201	02.90	34.77	27.73		1465.2								
005	00226	03.02	34.79	27.74		1466.1								
STD	00250	03.10	34.83	27.76	00.128	1466.9								
005	00251	03.11	34.83	27.76		1467.0								
005	00276	03.29	34.85	27.76		1468.2								
STD	00300	03.27	34.86	27.77	00.146	1468.5								
005	00300	03.27	34.86	27.77		1468.5								
005	00350	03.29	34.87	27.78		1469.4								
STD	00400	03.36	34.90	27.79	00.182	1470.6								
005	00403	03.36	34.90	27.79		1470.7								
005	00451	03.32	34.90	27.80		1471.3								
STD	00500	03.30	34.89	27.79	00.217	1472.0								
005	00500	03.30	34.89	27.79		1472.0								
005	00550	03.23	34.89	27.80		1472.6								
STD	00600	03.23	34.89	27.80	00.253	1473.4								
005	00601	03.23	34.89	27.80		1473.4								
005	00651	03.23	34.90	27.80		1474.3								
STD	00700	03.25	34.90	27.80	00.285	1475.1								
005	00702	03.25	34.90	27.80		1475.2								
005	00750	03.17	34.89	27.80		1475.6								
STD	00800	03.17	34.89	27.80	00.326	1476.4								
005	00801	03.17	34.89	27.80		1476.4								
005	00852	03.16	34.89	27.80		1477.3								
STD	00900	03.21	34.90	27.81	00.363	1478.3								
005	00900	03.21	34.90	27.81		1478.3								
005	00951	03.17	34.89	27.80		1479.0								
STD	01000	03.16	34.89	27.80	00.400	1479.7								
005	01003	03.16	34.89	27.80		1479.8								
005	01043	03.16	34.89	27.80		1480.4								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOSC STATION DATA

REFID 31 0463	YEAR 1975	OSTOP 01704	AIR TEMP 08.6	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SG 1304
CDMSBC 0157	MONTH 06	SHIP EV	NET DULB 07.2	00 X X	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 44 59.7N	DAY 19	DATA USE 1	BAROMTR 1014.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 00
LONG 049 01.4E	MOOR 05.9	AREA 05	CLCUD T/A	CL/TB	WEATHER X2	CRIG 011 934	1 SQUARE 99

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DTMDPTH	SHD VEL	GRV	PO4	TOT P	NO2	NO3	SI03	PH
05.1 STD	00000	07.45	34.49	26.97	00.000	1480.1								
05.1 STD	00005	07.45	34.49	26.97		1480.2								
05.1 STD	00010	07.45	34.47	26.97		1480.1								
05.1 STD	00015	07.32	34.47	26.98	00.011	1479.8								
05.1 STD	00020	06.88	34.48	27.05		1478.1								
05.1 STD	00025	06.25	34.53	27.17	00.021	1475.8								
05.1 STD	00030	06.20	34.53	27.18		1475.6								
05.1 STD	00035	06.07	34.54	27.20		1475.2								
05.1 STD	00040	05.59	34.46	27.20		1475.1								
05.1 STD	00045	04.91	34.50	27.31	00.029	1470.5								
05.1 STD	00050	04.81	34.51	27.33		1470.1								
05.1 STD	00055	04.08	34.58	27.47		1467.2								
05.1 STD	00060	03.84	34.60	27.50		1466.3								
05.1 STD	00065	03.77	34.62	27.53		1466.0								
05.1 STD	00070	03.54	34.66	27.58	00.042	1465.4								
05.1 STD	00075	03.54	34.66	27.58		1465.3								
05.1 STD	00080	03.16	34.71	27.66	00.054	1464.1								
05.1 STD	00085	03.15	34.71	27.66		1464.1								
05.1 STD	00090	02.96	34.76	27.72	00.065	1463.8								
05.1 STD	00095	02.94	34.76	27.72		1463.8								
05.1 STD	00100	02.94	34.78	27.74		1463.8								
05.1 STD	00105	03.14	34.82	27.75	00.075	1465.0								
05.1 STD	00110	03.14	34.82	27.75		1465.0								
05.1 STD	00115	03.14	34.84	27.76	00.084	1465.5								
05.1 STD	00120	03.14	34.84	27.76		1465.5								
05.1 STD	00125	03.29	34.86	27.77		1466.5								
05.1 STD	00130	03.36	34.88	27.78	00.101	1467.5								
05.1 STD	00135	03.36	34.88	27.78		1467.5								
05.1 STD	00140	03.36	34.88	27.78		1467.7								
05.1 STD	00145	03.30	34.89	27.79	00.118	1467.9								
05.1 STD	00150	03.30	34.89	27.79		1467.9								
05.1 STD	00155	03.30	34.89	27.78		1468.3								
05.1 STD	00160	03.23	34.88	27.79	00.135	1468.4								
05.1 STD	00165	03.23	34.88	27.79		1468.4								
05.1 STD	00170	03.34	34.91	27.80		1469.7								
05.1 STD	00175	03.34	34.91	27.80	00.165	1470.5								
05.1 STD	00180	03.34	34.91	27.80		1470.6								
05.1 STD	00185	03.34	34.91	27.80		1471.4								
05.1 STD	00190	03.21	34.89	27.80	00.204	1471.6								
05.1 STD	00195	03.21	34.89	27.80		1471.6								
05.1 STD	00200	03.31	34.91	27.81		1472.9								
05.1 STD	00205	03.17	34.89	27.80	00.239	1473.1								
05.1 STD	00210	03.17	34.89	27.80		1473.1								
05.1 STD	00215	03.16	34.89	27.80		1473.9								
05.1 STD	00220	03.17	34.89	27.80	00.275	1474.8								
05.1 STD	00225	03.17	34.89	27.80		1474.8								
05.1 STD	00230	03.14	34.89	27.80		1475.6								
05.1 STD	00235	03.14	34.90	27.81	00.311	1476.4								
05.1 STD	00240	03.14	34.90	27.81		1476.4								
05.1 STD	00245	03.14	34.90	27.81		1477.3								
05.1 STD	00250	03.17	34.90	27.81	00.347	1478.1								
05.1 STD	00255	03.17	34.90	27.81		1478.1								
05.1 STD	00260	03.20	34.90	27.81		1479.1								
05.1 STD	01000	03.20	34.90	27.81	00.385	1479.9								
05.1 STD	01001	03.20	34.90	27.81		1479.9								
05.1 STD	01020	03.19	34.90	27.81		1480.2								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MDDC STATION DATA

DEPTD 31 0443 YEAR 1975 DDTOP 02024 AIR TEMP 03.5 DIR MET PER WIND-DIR 28 INST STD RECORDER TEN SQ 1407
 CONSEC 0150 MONTH 04 S-IP SV MET BULB 03.0 00 X X WIND-SPD 06 TRACE DIR 5 SQUARE 3
 LAT 55 14-N DAY 29 DATA USE 1 BAROMETER 1023.0 SEA WIND-FOR 00.0 2 SQUARE 42
 LONG 032 53-W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER XI DURS 011 937 1 SQUARE 52

CSTN/NAME/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	S/D VEL	CHYC	PO4	TOT-P	NO2	NO3	SIO3	PH
00.7	STD	00000	04.20	34.16	27.11	00.000	1466.5							
	OBS	00001	04.20	34.16	27.11		1467.0							
	STD	00010	04.20	34.17	27.12	00.010	1467.1							
	OBS	00011	04.20	34.17	27.12		1467.1							
	STD	00020	04.20	34.16	27.11	00.010	1467.2							
	OBS	00020	04.20	34.16	27.11		1467.2							
	STD	00030	04.11	34.18	27.15	00.020	1466.7							
	OBS	00032	04.06	34.19	27.16		1466.6							
	STD	00050	03.50	34.25	27.20	00.040	1466.5							
	OBS	00051	03.43	34.25	27.27		1466.3							
	OBS	00057	03.11	34.24	27.29		1463.0							
	OBS	00064	02.44	34.34	27.45		1460.4							
	STD	00075	02.16	34.44	27.54	00.064	1459.4							
	OBS	00076	02.14	34.43	27.54		1459.4							
	OBS	00093	02.09	34.47	27.56		1459.5							
	STD	00100	02.09	34.47	27.56	00.077	1459.6							
	OBS	00100	02.09	34.47	27.56		1459.6							
	STD	00125	02.16	34.34	27.61	00.090	1460.4							
	OBS	00125	02.16	34.34	27.61		1460.4							
	STD	00150	02.32	34.59	27.64	00.102	1461.6							
	OBS	00152	02.34	34.60	27.65		1461.7							
	OBS	00175	02.59	34.65	27.66		1463.2							
	STD	00200	02.77	34.70	27.69	00.125	1464.5							
	OBS	00201	02.78	34.70	27.69		1464.6							
	OBS	00226	02.98	34.74	27.70		1465.1							
	STD	00250	03.02	34.75	27.70	00.146	1466.3							
	OBS	00253	03.03	34.75	27.70		1466.4							
	OBS	00274	03.09	34.76	27.71		1467.2							
	STD	00300	03.25	34.79	27.72	00.167	1468.3							
	OBS	00300	03.25	34.79	27.72		1468.4							
	OBS	00350	03.50	34.84	27.75		1470.3							
	STD	00400	03.57	34.87	27.75	00.207	1471.5							
	OBS	00403	03.57	34.87	27.75		1471.5							
	OBS	00451	03.54	34.88	27.76		1472.2							
	STD	00500	03.53	34.88	27.76	00.244	1473.0							
	OBS	00502	03.53	34.88	27.76		1473.0							
	OBS	00550	03.48	34.88	27.77		1473.4							
	STD	00600	03.43	34.88	27.77	00.285	1474.3							
	OBS	00601	03.43	34.88	27.77		1474.3							
	OBS	00651	03.39	34.88	27.77		1474.9							
	STD	00700	03.39	34.88	27.77	00.324	1475.7							
	OBS	00702	03.39	34.88	27.77		1475.7							
	OBS	00750	03.39	34.89	27.78		1476.5							
	STD	00800	03.41	34.89	27.78	00.364	1477.5							
	OBS	00801	03.41	34.89	27.78		1477.5							
	OBS	00850	03.42	34.89	27.78		1478.3							
	STD	00900	03.43	34.90	27.78	00.403	1479.3							
	OBS	00900	03.43	34.90	27.78		1479.3							
	OBS	00951	03.44	34.90	27.79		1480.1							
	STD	01000	03.42	34.90	27.79	00.443	1480.9							
	OBS	01003	03.42	34.90	27.79		1480.9							
	STD	01100	03.46	34.91	27.79	00.484	1482.7							
	OBS	01100	03.46	34.91	27.79		1482.7							
	STD	01200	03.46	34.92	27.80	00.525	1484.4							
	OBS	01201	03.46	34.92	27.80		1484.4							
	STD	01300	03.45	34.92	27.80	00.564	1486.0							
	OBS	01302	03.45	34.92	27.80		1486.1							
	STD	01400	03.46	34.94	27.81	00.600	1487.8							
	OBS	01402	03.46	34.94	27.81		1487.8							
	STD	01500	03.46	34.94	27.81	00.649	1489.5							
	OBS	01500	03.46	34.94	27.81		1489.5							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA														
REFID 31 8463	YEAR 1973	BOTDP 02550	AIR TEMP 03.0	DIA HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1407							
CONSEC 0135	MONTH 06	SHIP EV	NET BULB 02.4	00 X X	WIND-SPD 12	TRACE DIR C	5 SQUARE 3							
LAT 55 06.3N	DAY 29	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 42							
LONG 053 01.6W	HOUR 04.3	AREA 05	CLCUD T/A	CL/TA	WEATHER X2	ORIG 011 930	1 SQUARE 53							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	ORVC	PO4	TOT-P	NO2	NO3	SIO3	PH
04.3	STD	00000	03.17	34.13	27.20	00.000	1462.2							
	OBS	00003	03.17	34.130	27.20		1462.2							
	STD	00010	03.16	34.13	27.20	00.005	1462.3							
	OBS	00011	03.16	34.13	27.20		1462.3							
	OBS	00013	02.85	34.11	27.21		1461.0							
	STD	00020	02.50	34.18	27.30	00.017	1459.6							
	OBS	00020	02.44	34.19	27.31		1459.4							
	STD	00030	01.70	34.33	27.48	00.024	1456.5							
	OBS	00030	01.67	34.34	27.49		1456.4							
	STD	00050	01.42	34.43	27.58	00.035	1455.7							
	OBS	00051	01.40	34.44	27.59		1455.7							
	STD	00075	02.12	34.59	27.65	00.048	1459.3							
	OBS	00076	02.15	34.59	27.65		1459.4							
	STD	00100	02.56	34.65	27.67	00.059	1461.9							
	OBS	00100	02.57	34.65	27.67		1461.9							
	STD	00125	02.90	34.72	27.69	00.070	1463.9							
	OBS	00125	02.91	34.72	27.69		1463.9							
	STD	00150	03.09	34.74	27.69	00.080	1465.1							
	OBS	00150	03.09	34.74	27.69		1465.1							
	OBS	00175	03.15	34.75	27.69		1465.8							
	STD	00200	03.24	34.78	27.71	00.101	1466.7							
	OBS	00201	03.26	34.78	27.71		1466.8							
	OBS	00226	03.59	34.84	27.72		1468.6							
	STD	00250	03.66	34.85	27.72	00.122	1469.3							
	OBS	00251	03.66	34.85	27.72		1469.4							
	OBS	00276	03.53	34.85	27.74		1469.2							
	STD	00300	03.52	34.85	27.74	00.141	1469.6							
	OBS	00300	03.52	34.85	27.74		1469.6							
	OBS	00350	03.45	34.85	27.74		1470.1							
	STD	00400	03.36	34.85	27.75	00.181	1470.6							
	OBS	00403	03.36	34.85	27.75		1470.6							
	OBS	00451	03.36	34.85	27.75		1471.4							
	STD	00500	03.26	34.86	27.76	00.215	1472.2							
	OBS	00502	03.36	34.86	27.76		1472.3							
	OBS	00550	03.36	34.86	27.76		1473.0							
	STD	00600	03.39	34.87	27.77	00.258	1474.0							
	OBS	00601	03.39	34.87	27.77		1474.0							
	OBS	00651	03.42	34.88	27.77		1475.0							
	STD	00700	03.42	34.88	27.77	00.297	1475.8							
	OBS	00702	03.42	34.88	27.77		1475.6							
	OBS	00751	03.46	34.88	27.77		1476.9							
	STD	00800	03.46	34.88	27.77	00.338	1477.7							
	OBS	00801	03.46	34.88	27.77		1477.7							
	OBS	00850	03.42	34.89	27.78		1478.3							
	STD	00900	03.45	34.89	27.78	00.378	1479.3							
	OBS	00900	03.45	34.89	27.78		1479.3							
	OBS	00951	03.42	34.89	27.78		1480.0							
	STD	01000	03.41	34.89	27.78	00.415	1480.8							
	OBS	01001	03.41	34.89	27.78		1480.8							
	STD	01100	03.38	34.89	27.78	00.460	1482.3							
	OBS	01100	03.38	34.89	27.78		1482.3							
	STD	01200	03.36	34.89	27.78	00.502	1483.9							
	OBS	01201	03.36	34.89	27.78		1483.6							
	STD	01300	03.34	34.89	27.79	00.544	1485.5							
	OBS	01300	03.34	34.89	27.79		1485.5							
	STD	01400	03.25	34.88	27.79	00.587	1486.8							
	OBS	01401	03.25	34.88	27.79		1486.8							
	STD	01500	03.38	34.90	27.79	00.630	1489.1							
	OBS	01500	03.38	34.90	27.79		1489.1							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8443	YEAR 1975	BOTOP 01424	AIR TEMP 03.6	DIR MGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1407
CONSEC 0140	MONTH 04	SHIP EV	MET BULB 03.2	00 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 1
LAT 54 56.7N	DAY 29	DATA USE 1	BAROMETR 1022.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 42
LONG 053 24.0W	MOOR 06.8	AREA 05	CLOUD T/A	CL/TX	WEATHER X1	ORIG 011 935	1 SQUARE 43

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.8	STD	00000	03.79	34.26	27.24	00.000	1465.0							
	OBS	00001	03.79	34.26	27.24		1465.0							
	STD	00010	03.76	34.26	27.24	00.008	1465.0							
	OBS	00011	03.75	34.26	27.25		1465.0							
	STD	00020	03.68	34.27	27.26	00.017	1464.9							
	OBS	00020	03.67	34.27	27.26		1464.8							
	STD	00030	03.52	34.25	27.26	00.025	1464.3							
	OBS	00030	03.51	34.25	27.26		1464.3							
	OBS	00040	03.30	34.28	27.30		1463.6							
	OBS	00041	02.70	34.21	27.30		1460.9							
	OBS	00043	02.25	34.26	27.38		1459.1							
	STD	00050	01.72	34.32	27.47	00.035	1456.9							
	OBS	00051	01.64	34.33	27.48		1456.6							
	OBS	00056	01.40	34.36	27.53		1455.7							
	STD	00075	01.49	34.45	27.58	00.054	1457.4							
	OBS	00076	01.71	34.46	27.58		1457.5							
	OBS	00097	02.14	34.59	27.65		1459.9							
	STD	00100	02.48	34.63	27.66	00.066	1461.5							
	OBS	00100	02.57	34.64	27.66		1461.9							
	STD	00125	03.08	34.69	27.65	00.077	1464.6							
	OBS	00127	03.11	34.69	27.65		1464.8							
	STD	00150	03.24	34.70	27.65	00.085	1465.7							
	OBS	00150	03.24	34.70	27.65		1465.7							
	OBS	00175	03.02	34.70	27.67		1465.2							
	STD	00200	03.40	34.76	27.68	00.112	1467.3							
	OBS	00201	03.41	34.76	27.68		1467.4							
	OBS	00226	03.41	34.77	27.68		1467.8							
	STD	00250	03.54	34.80	27.69	00.133	1468.8							
	OBS	00251	03.55	34.80	27.69		1468.8							
	OBS	00276	03.61	34.81	27.70		1469.5							
	STD	00300	03.64	34.83	27.71	00.155	1470.1							
	OBS	00300	03.64	34.83	27.71		1470.1							
	OBS	00350	03.70	34.85	27.72		1471.2							
	STD	00400	03.63	34.86	27.73	00.196	1471.7							
	OBS	00401	03.63	34.86	27.73		1471.7							
	OBS	00453	03.66	34.87	27.74		1472.7							
	STD	00500	03.57	34.86	27.74	00.237	1473.1							
	OBS	00500	03.57	34.86	27.74		1473.1							
	OBS	00550	03.54	34.86	27.74		1473.8							
	STD	00600	03.45	34.86	27.75	00.278	1474.3							
	OBS	00601	03.45	34.86	27.75		1474.3							
	OBS	00651	03.36	34.85	27.75		1474.7							
	STD	00700	03.36	34.85	27.75	00.318	1475.5							
	OBS	00700	03.36	34.85	27.75		1475.5							
	OBS	00750	03.36	34.85	27.75		1476.4							
	STD	00800	03.36	34.86	27.76	00.355	1477.2							
	OBS	00801	03.36	34.86	27.76		1477.2							
	OBS	00850	03.38	34.86	27.76		1478.1							
	STD	00900	03.39	34.87	27.77	00.401	1479.0							
	OBS	00900	03.39	34.87	27.77		1479.0							
	OBS	00953	03.39	34.87	27.77		1479.9							
	STD	01000	03.36	34.87	27.77	00.442	1480.6							
	OBS	01001	03.36	34.87	27.77		1480.6							
	STD	01100	03.27	34.86	27.77	00.485	1481.8							
	OBS	01102	03.27	34.86	27.77		1481.9							
	STD	01200	03.27	34.87	27.78	00.527	1483.5							
	OBS	01203	03.27	34.87	27.78		1483.6							
	STD	01300	03.26	34.87	27.78	00.570	1485.3							
	OBS	01302	03.29	34.87	27.78		1485.3							
	STD	01400	03.27	34.86	27.77	00.614	1486.9							
	OBS	01401	03.27	34.86	27.77		1486.9							
	STD	01500	03.32	34.88	27.78	00.658	1488.8							
	OBS	01501	03.32	34.88	27.78		1488.8							
	OBS	01505	03.32	34.88	27.78		1488.9							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

W O D C S T A T I O N D A T A

REFID 31 8463	YEAR 1975	BOTOP 00493	AIR TEMP 02.8	DIR MGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1407
CONSEC 0161	MONTH 06	S-IP EV	WET BULB 02.6	00 X X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 1
LAT 54 51.2N	DAY 29	DATA USE 1	BAROMETR 1022.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 42
LONG 353 40.7W	HOOR 09.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 940	1 SQUARE 43

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.5	STD	00000	02.22	33.59	26.85	00.000	1457.3							
	OBS	00000	02.22	33.59	26.85		1457.3							
	OBS	00003	02.22	33.58	26.84		1457.3							
	STD	00010	02.31	33.64	26.88	00.012	1457.5							
	OBS	00011	02.34	33.65	26.89		1458.1							
	STD	00020	02.44	33.75	26.94	00.024	1459.8							
	OBS	00020	02.49	33.76	26.95		1459.5							
	STD	00030	02.91	33.92	27.05	00.034	1461.3							
	OBS	00032	02.92	33.94	27.07		1461.4							
	OBS	00034	02.91	33.95	27.08		1461.4							
	OBS	00038	02.67	33.94	27.09		1460.4							
	OBS	00040	02.16	33.94	27.13		1458.2							
	OBS	00043	01.36	34.02	27.26		1454.8							
	STD	00050	00.95	34.06	27.32	00.052	1453.1							
	OBS	00051	00.88	34.08	27.34		1452.5							
	OBS	00053	00.80	34.11	27.36		1452.6							
	STD	00075	01.32	34.28	27.47	00.070	1455.5							
	OBS	00076	01.34	34.29	27.47		1455.6							
	STD	00100	01.73	34.39	27.52	00.084	1457.9							
	OBS	00100	01.74	34.39	27.53		1457.9							
	STD	00125	01.62	34.44	27.57	00.098	1457.9							
	OBS	00125	01.62	34.44	27.57		1457.9							
	STD	00150	01.98	34.53	27.62	00.111	1460.0							
	OBS	00150	01.98	34.53	27.62		1460.0							
	OBS	00175	02.09	34.56	27.63		1460.9							
	OBS	00192	02.34	34.62	27.66		1462.4							
	STD	00200	02.77	34.67	27.67	00.134	1464.4							
	OBS	00201	02.84	34.60	27.67		1464.8							
	OBS	00226	02.91	34.69	27.67		1465.5							
	STD	00250	03.00	34.71	27.67	00.157	1466.3							
	OBS	00253	03.01	34.71	27.67		1466.4							
	OBS	00276	03.11	34.73	27.68		1467.3							
	STD	00300	03.16	34.74	27.68	00.179	1467.9							
	OBS	00302	03.17	34.74	27.68		1468.0							
	OBS	00350	03.27	34.76	27.69		1469.2							
	STD	00400	03.47	34.80	27.70	00.223	1470.9							
	OBS	00403	03.48	34.80	27.70		1471.0							
	OBS	00451	03.55	34.83 P	27.720									
	OBS	00493	03.55	34.80	27.69		1472.8							

REFID 31 8463	YEAR 1975	BOTOP 00273	AIR TEMP 02.5	DIR MGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1407
CONSEC 0162	MONTH 06	S-IP EV	WET BULB 02.4	00 X X	WIND-SPD 11	TRACE DIR 0	5 SQUARE 1
LAT 54 42.7N	DAY 29	DATA USE 1	BAROMETR 1020.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 42
LONG 053 55.6W	HOOR 11.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 941 11	1 SQUARE 43

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.2	STD	00000	00.82	33.01	26.48	00.000	1450.3							
	OBS	00001	00.82	33.01	26.48		1450.3							
	OBS	00005	00.77	33.00	26.48		1450.1							
	STD	00010	00.68	33.02	26.50	00.016	1449.8							
	OBS	00011	00.65	33.03	26.51		1449.7							
	STD	00020	00.52	33.06	26.54	00.031	1449.3							
	OBS	00020	00.48	33.06	26.54		1449.1							
	OBS	00028	- 0.04	33.00	26.52		1446.8							
	STD	00030	- 0.45	33.04	26.56	00.046	1445.0							
	OBS	00032	- 0.98	33.17	26.69		1442.7							
	OBS	00034	- 1.25	33.34	26.84		1441.7							
	STD	00050	- 1.09	33.58	27.03	00.071	1443.1							
	OBS	00051	- 1.07	33.60	27.04		1443.2							
	STD	00075	- 0.55	33.79	27.18	00.095	1446.3							
	OBS	00076	- 0.52	33.80	27.18		1446.5							
	STD	00100	00.11	33.96	27.29	00.116	1450.0							
	OBS	00100	00.13	33.97	27.29		1450.1							
	STD	00125	00.58	34.10	27.37	00.135	1452.8							
	OBS	00125	00.59	34.10	27.37		1452.8							
	STD	00150	00.72	34.12	27.38	00.153	1453.8							
	OBS	00150	00.72	34.12	27.38		1453.8							
	OBS	00175	00.72	34.13	27.39		1454.3							
	STD	00200	01.02	34.23	27.45	00.187	1456.2							
	OBS	00201	01.04	34.24	27.45		1456.3							
	OBS	00226	01.27	34.31	27.49		1457.8							
	OBS	00249	01.52	34.36	27.52		1459.4							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MDDC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 00232	AIR TEMP 03.5	DIR MGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1407
CONSEC 0163	MONTH 06	SHIP EV	WET BULB 03.5	22 2 3	WIND-SPD 08	TRACE DIR C	5 SQUARE 1
LAT 54 34.0N	DAY 29	DATA USE 1	BAROMETR 1022.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 10.7W	MOOR 12.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 942	1 SQUARE 44

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.9	STD	00000	00.66	32.36	25.97	00.000	1448.6							
	OBS	00001	00.66	32.36	25.97		1448.7							
	OBS	00003	00.62	32.36	25.97		1448.5							
	OBS	00007	00.23	32.43	26.05		1448.9							
	OBS	00009	00.12	32.46	26.08		1446.5							
	STD	00010	00.06	32.46	26.08	00.020	1446.2							
	OBS	00013	- 0.45	32.57	26.19		1444.1							
	OBS	00017	- 1.20	32.90	26.40		1441.1							
	STD	00020	- 1.22	33.07	26.62	00.037	1441.3							
	OBS	00020	- 1.24	33.11	26.65		1441.2							
	OBS	00022	- 1.29	33.18	26.71		1441.1							
	STD	00030	- 1.25	33.25	26.77	00.050	1441.5							
	OBS	00030	- 1.25	33.26	26.77		1441.6							
	STD	00050	- 1.15	33.48	26.95	00.074	1442.7							
	OBS	00051	- 1.14	33.49	26.56		1442.8							
	STD	00075	- 1.00	33.65	27.08	00.101	1444.0							
	OBS	00076	- 0.99	33.66	27.09		1444.1							
	STD	00100	- 0.81	33.76	27.16	00.124	1445.5							
	OBS	00102	- 0.75	33.77	27.17		1445.8							
	STD	00125	- 0.02	33.90	27.24	00.146	1449.7							
	OBS	00125	- 0.01	33.90	27.24		1449.8							
	STD	00150	00.28	34.04	27.34	00.166	1451.7							
	OBS	00150	00.28	34.04	27.34		1451.7							
	OBS	00175	00.50	34.07	27.35		1453.2							
	STD	00200	00.65	34.14	27.41	00.202	1454.4							
	OBS	00201	00.66	34.16	27.41		1454.5							
	OBS	00226	00.88	34.21	27.44		1455.9							
	OBS	00232	00.87	34.22	27.45		1456.0							

REFID 31 0463	YEAR 1975	BOTDP 00201	AIR TEMP 03.8	DIR MGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1407
CONSEC 0164	MONTH 06	SHIP EV	WET BULB 03.8	20 1 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 1
LAT 54 27.6N	DAY 29	DATA USE 1	BAROMETR 1019.9	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 26.7W	MOOR 14.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 943 10	1 SQUARE 44

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
14.4	STD	00000	01.53	32.73	26.21	00.000	1453.1							
	OBS	00000	01.53	32.73	26.21		1453.1							
	OBS	00003	01.51	32.72	26.20		1453.0							
	STD	00010	01.50	32.87	26.32	00.018	1453.3							
	OBS	00011	01.49	32.88	26.33		1453.3							
	OBS	00015	01.46	32.87	26.33		1453.2							
	OBS	00017	01.02	32.80	26.30		1451.2							
	OBS	00019	- 0.12	32.87	26.42		1446.1							
	STD	00020	- 0.45	32.87	26.43	00.034	1446.6							
	OBS	00020	- 0.69	32.91	26.47		1443.5							
	OBS	00022	- 1.02	33.08	26.62		1442.3							
	OBS	00026	- 1.00	33.17	26.69		1442.6							
	OBS	00028	- 1.19	33.18	26.71		1441.7							
	STD	00030	- 1.14	33.23	26.75	00.045	1442.0							
	OBS	00030	- 1.13	33.25	26.76		1442.1							
	OBS	00036	- 1.26	33.30	26.81		1441.7							
	STD	00050	- 1.09	33.47	26.94	00.073	1442.9							
	OBS	00051	- 1.08	33.49	26.55		1443.0							
	STD	00075	- 0.96	33.67	27.10	00.095	1444.3							
	OBS	00076	- 0.95	33.68	27.10		1444.3							
	STD	00100	- 0.86	33.77	27.17	00.123	1446.2							
	OBS	00102	- 0.83	33.78	27.17		1446.4							
	STD	00125	- 0.41	33.85	27.22	00.145	1447.9							
	OBS	00125	- 0.40	33.85	27.22		1447.9							
	STD	00150	- 0.02	33.96	27.29	00.165	1450.2							
	OBS	00150	- 0.01	33.96	27.29		1450.3							
	OBS	00175	00.41	34.10	27.38		1452.8							
	OBS	00196	00.76	34.19	27.43		1454.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 00175	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1407
CONSEC 0165	MONTH 06	SHIP EV	WET BULB 04.2	00 X X	WIND-SPD 09	TRACE DIR 0	5 SQUARE 1
LAT 54 19.1N	DAY 29	DATA USE 1	BAROMETER 1021.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 39.7W	HOUR 16.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 944 08	1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.2	STD	00000	01.08	31.54	25.29	00.000	1449.4							
	OBS	00001	01.08	31.54	25.29		1449.4							
	OBS	00005	00.46	31.46	25.24		1447.5							
	STD	00010	00.46	31.76	25.49	00.024	1447.1							
	OBS	00011	00.40	31.84	25.56		1446.9							
	OBS	00017	00.20	32.09	25.77		1446.5							
	OBS	00019	- 0.31	32.45	26.09		1444.6							
	STD	00020	- 0.76	32.60	26.23	00.047	1442.8							
	OBS	00020	- 1.05	32.72	26.33		1441.6							
	OBS	00022	- 1.30	32.89	26.48		1440.7							
	OBS	00028	- 1.46	33.01	26.58		1440.2							
	STD	00030	- 1.45	33.02	26.59	00.064	1440.3							
	OBS	00030	- 1.44	33.03	26.59		1440.4							
	STD	00050	- 1.38	33.26	26.77	00.091	1441.3							
	OBS	00051	- 1.37	33.27	26.78		1441.4							
	STD	00075	- 1.13	33.49	26.96	00.121	1443.2							
	OBS	00076	- 1.12	33.50	26.96		1443.3							
	STD	00100	- 0.99	33.62	27.05	00.147	1444.4							
	OBS	00104	- 0.96	33.64	27.07		1444.7							
	STD	00125	- 0.82	33.75	27.15	00.171	1445.8							
	OBS	00125	- 0.81	33.75	27.15		1445.9							
	STD	00150	- 0.19	33.92	27.26	00.193	1449.4							
	OBS	00150	- 0.18	33.92	27.26		1449.5							
	OBS	00169	00.27	34.07	27.36		1452.0							

REFID 31 8463	YEAR 1975	BOTDP 00172	AIR TEMP 06.8	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1407
CONSEC 0166	MONTH 06	SHIP EV	WET BULB 05.4	10 1 5	WIND-SPD 11	TRACE DIR 0	5 SQUARE 1
LAT 54 10.8N	DAY 29	DATA USE 1	BAROMETER 1021.4	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 55.6W	HOUR 16.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 945 10	1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	STD	00000	02.16	31.42	25.12	00.000	1454.1							
	OBS	00001	02.16	31.42	25.12		1454.1							
	OBS	00003	02.10	31.41	25.12		1453.9							
	OBS	00007	01.46	31.50	25.23		1451.2							
	STD	00010	01.32	31.50	25.24	00.028	1450.6							
	OBS	00011	01.20	31.50	25.25		1450.1							
	OBS	00015	00.77	31.87	25.57		1448.7							
	OBS	00017	00.10	32.29	25.94		1446.3							
	STD	00020	- 0.40	32.64	26.24	00.051	1444.5							
	OBS	00020	- 0.54	32.71	26.30		1444.0							
	OBS	00024	- 1.04	32.83	26.42		1441.9							
	OBS	00026	- 1.20	32.93	26.50		1441.3							
	STD	00030	- 1.15	32.98	26.54	00.067	1441.6							
	OBS	00030	- 1.14	32.99	26.55		1441.7							
	OBS	00032	- 1.18	33.05	26.60		1441.6							
	OBS	00047	- 1.27	33.26	26.77		1441.6							
	STD	00050	- 1.22	33.28	26.79	00.095	1442.1							
	OBS	00051	- 1.19	33.29	26.80		1442.2							
	STD	00075	- 0.99	33.52	26.98	00.124	1443.9							
	OBS	00076	- 0.98	33.53	26.98		1444.0							
	STD	00100	- 0.72	33.71	27.12	00.150	1445.8							
	OBS	00100	- 0.70	33.72	27.13		1445.9							
	STD	00125	00.04	33.99	27.31	00.171	1450.1							
	OBS	00125	00.06	34.00	27.32		1450.3							
	STD	00150	01.00	34.30	27.50	00.188	1455.3							
	OBS	00150	01.01	34.30	27.50		1455.4							
	OBS	00169	01.14	34.32	27.51		1456.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 0443	YEAR 1975	BOATP 00150	AIR TEMP 05.5	DIR HGT PER 15 1 4	WIND-DIR 16	INST STD RECORDER	TEN SQ 1407
CONSEC 0167	MONTH 04	SHIP EV	WET BULB 04.2	SEA 15 1 4	WIND-SPD 12	TRACE DIR C	5 SQUARE 2
LAT 34 02.6N	DAY 29	DATA USE 1	BARCHMETR 1021.4	CL/TR	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 055 08.6W	MOON 19.5	AREA 05	CLOUD T/A		WEATHER X2	ORIG 011 946	1 SQUARE 45

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.5	STD	00000	02.36	31.25	25.00	00.000	1454.8							
	OBS	00001	02.36	31.25	25.00		1454.8							
	OBS	00009	02.32	31.27	24.99		1454.7							
	STD	00010	02.21	31.23	24.97	00.030	1454.2							
	OBS	00011	01.54	31.18	24.94		1453.0							
	OBS	00015	01.41	31.42	25.17		1451.0							
	OBS	00017	00.80	31.93	25.61		1449.0							
	OBS	00019	00.71	32.24	25.87		1449.0							
	STD	00020	00.45	32.37	25.98	00.055	1448.0							
	OBS	00020	00.16	32.48	26.09		1446.5							
	OBS	00022	- 0.64	32.71	26.31		1443.5							
	OBS	00026	- 1.12	32.83	26.42		1441.5							
	STD	00030	- 1.16	32.88	26.46	00.073	1441.5							
	OBS	00030	- 1.17	32.89	26.47		1441.4							
	OBS	00032	- 1.23	32.96	26.53		1441.3							
	OBS	00034	- 1.05	33.00	26.56		1442.2							
	OBS	00036	- 1.07	32.98	26.54		1442.1							
	OBS	00038	- 1.20	33.09	26.63		1441.7							
	STD	00050	- 1.29	33.24	26.76	00.102	1441.7							
	OBS	00051	- 1.29	33.26	26.77		1441.7							
	STD	00075	- 1.12	33.48	26.95	00.132	1443.2							
	OBS	00076	- 1.11	33.49	26.95		1443.3							
	STD	00100	- 0.69	33.71	27.12	00.158	1446.0							
	OBS	00100	- 0.67	33.72	27.12		1446.1							
	STD	00125	- 0.18	33.90	27.25	00.180	1449.0							
	OBS	00125	- 0.16	33.91	27.26		1449.1							
	OBS	00142	00.43	34.10	27.38		1452.4							

REFID 31 0443	YEAR 1975	BOATP 00146	AIR TEMP 04.3	DIR HGT PER 15 0 2	WIND-DIR 15	INST STD RECORDER	TEN SQ 1407
CONSEC 0168	MONTH 04	SHIP EV	WET BULB 03.4	SEA 15 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 33 55.4N	DAY 29	DATA USE 1	BARCHMETR 1021.4	CL/TR	WIND-FOR	DURATION 00.1	2 SQUARE 24
LONG 055 23.5W	MOON 21.2	AREA 05	CLOUD T/A		WEATHER X2	ORIG 011 947 10	1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.2	STD	00000	01.63	31.05	24.89	00.000	1451.3							
	OBS	00003	01.63	31.09	24.89		1451.3							
	OBS	00005	01.49	31.12	24.93		1450.8							
	OBS	00007	01.06	31.27	25.07		1449.1							
	STD	00010	00.40	31.80	25.53	00.028	1446.8							
	OBS	00011	- 0.11	32.13	25.82		1445.0							
	OBS	00013	- 0.94	32.60	26.23		1441.8							
	OBS	00015	- 1.24	32.76	26.37		1440.7							
	STD	00020	- 1.32	32.82	26.42	00.048	1440.4							
	OBS	00020	- 1.34	32.83	26.43		1440.4							
	STD	00030	- 1.56	32.99	26.56	00.064	1439.7							
	OBS	00030	- 1.56	32.99	26.56		1439.7							
	OBS	00032	- 1.57	33.00	26.57		1439.7							
	STD	00050	- 1.44	33.12	26.66	00.092	1440.8							
	OBS	00051	- 1.43	33.13	26.67		1440.9							
	STD	00075	- 1.29	33.34	26.84	00.125	1442.2							
	OBS	00076	- 1.29	33.35	26.85		1442.3							
	STD	00100	- 1.23	33.48	26.95	00.154	1443.1							
	OBS	00100	- 1.21	33.49	26.96		1443.2							
	OBS	00104	- 1.09	33.53	26.99		1443.9							
	STD	00125	- 1.01	33.64	27.07	00.180	1444.8							
	OBS	00125	- 1.00	33.64	27.07		1444.8							
	OBS	00140	- 0.67	33.88	27.19		1446.9							
	OBS	00144	- 0.38	33.85	27.22		1448.3							
	STD	00150	- 0.24	33.89	27.24	00.203	1449.1							
	OBS	00150	- 0.23	33.89	27.24		1449.2							
	OBS	00154	- 0.20	33.91	27.26		1449.4							
	OBS	00165	00.14	34.01	27.32		1451.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOCC STATION DATA														
OFFID 31 0443	YEAR 1973	SHIP EV	AIR TEMP 04.1	DIA MGT PER	WIND-DIR 14	INST STD RECORDER	TEN SO 1407							
CONSEC 0165	MONTH 04	SHIP EV	NET BULB 03.2	00 X X	WIND-SPD 11	TRACE DIA	5 SQUARE 2							
LAT 33 47.7N	DAY 29	DATA USE 1	BAROMETER 1021.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 24							
LONG 035 39.1W	MOOR 23.7	AREA 05	CLOUD T/A	CL/YR	WEATHER X2	ORIG 011 948 11	1 SQUARE 35							
CASHTUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SNC VEL	DRY6	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	STD	00000	01.29	31.16	24.97	00.000	1449.8							
	OBS	00001	01.29	31.16	24.97		1449.9							
	OBS	00003	01.31	31.16	24.97		1450.0							
	OBS	00005	01.13	31.17	24.99		1449.2							
	OBS	00009	00.25	31.60	25.38		1445.9							
	STD	00010	00.20	31.66	25.43	00.022	1445.7							
	OBS	00013	- 0.31	32.06	25.77		1444.0							
	OBS	00015	- 0.72	32.28	25.96		1442.4							
	OBS	00019	- 0.83	32.38	26.05		1442.1							
	5' C	00020	- 1.00	32.52	26.17	00.050	1441.5							
	OBS	00020	- 1.14	32.62	26.25		1441.0							
	OBS	00026	- 1.34	32.79	26.40		1439.5							
	STD	00030	- 1.47	32.82	26.43	00.067	1439.9							
	OBS	00030	- 1.46	32.83	26.43		1440.0							
	STD	00050	- 1.42	33.06	26.62	00.098	1440.8							
	OBS	00051	- 1.38	33.08	26.63		1441.1							
	OBS	00053	- 1.23	33.05	26.60		1441.8							
	OBS	00057	- 1.39	33.15	26.69		1441.2							
STD	00075	- 1.38	33.26	26.78	00.131	1441.7								
OBS	00076	- 1.38	33.27	26.78		1441.7								
STD	00100	- 1.27	33.40	26.86	00.162	1442.5								
OBS	00100	- 1.26	33.41	26.89		1442.6								
STD	00125	- 1.10	33.55	27.00	00.190	1444.2								
OBS	00125	- 1.10	33.55	27.00		1444.3								
OBS	00148	- 0.96	33.61	27.05		1445.4								

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0443	YEAR 1975	BOTDP 03002	AIR TEMP 05.8	DIR MGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1407
CONSEC 0170	MONTH 06	SHIP EV	WET BULB 05.1	29 1 3	WIND-SPD 08	TRACE DIR 0	5 SQUARE 3
LAT 55 15.7N	DAY 30	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 42
LONG 152 53.0W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 949 11	1 SQUARE 52

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH	
11.9	STD	00000	04.31	34.08	27.04	00.000	1466.9								
	OBS	00001	04.31	34.08	27.04		1467.0								
	OBS	00007	04.45	34.25	27.16		1467.9								
	OBS	00009	05.14	34.44	27.24		1471.0								
	STD	00010	05.06	34.41	27.23	00.009	1470.6								
	OBS	00013	04.45	34.34	27.24		1468.1								
	OBS	00015	04.06	34.37	27.30		1466.5								
	STD	00020	03.47	34.37	27.34	00.017	1464.9								
	OBS	00020	03.57	34.37	27.35		1464.5								
	OBS	00024	02.77	34.28	27.35		1461.1								
	OBS	00028	02.27	34.32	27.43		1459.0								
	STD	00030	02.13	34.33	27.45	00.024	1458.4								
	OBS	00030	02.08	34.34	27.46		1458.2								
	OBS	00045	01.85	34.40	27.52		1457.5								
	STD	00050	01.86	34.42	27.54	00.036	1457.7								
	OBS	00051	01.86	34.43	27.55		1457.7								
	STD	00075	02.04	34.52	27.60	00.049	1459.0								
	OBS	00076	02.05	34.52	27.61		1459.1								
	STD	00100	02.15	34.57	27.64	00.062	1460.0								
	OBS	00100	02.16	34.57	27.64		1460.0								
	STD	00125	02.38	34.62	27.66	00.073	1461.5								
	OBS	00127	02.41	34.63	27.66		1461.7								
	STD	00150	02.69	34.69	27.69	00.084	1463.3								
	OBS	00152	02.72	34.70	27.69		1463.5								
	OBS	00175	03.11	34.76	27.71		1465.4								
	STD	00200	03.27	34.79	27.71	00.105	1466.8								
	OBS	00203	03.29	34.79	27.71		1466.9								
	OBS	00224	03.42	34.82	27.72		1467.9								
	STD	00250	03.48	34.83	27.73	00.125	1468.5								
	OBS	00251	03.48	34.83	27.73		1468.6								
OBS	00277	03.48	34.84	27.73		1469.0									
STD	00300	03.50	34.85	27.74	00.145	1469.5									
OBS	00300	03.50	34.85	27.74		1469.5									
OBS	00350	03.52	34.86	27.75		1470.4									
STD	00400	03.48	34.87	27.76	00.184	1471.1									
OBS	00401	03.48	34.87	27.76		1471.1									
OBS	00451	03.45	34.87	27.76		1471.8									
STD	00500	03.42	34.87	27.76	00.222	1472.5									
OBS	00500	03.42	34.87	27.76		1472.5									
OBS	00550	03.41	34.87	27.76		1473.3									
STD	00600	03.39	34.87	27.77	00.261	1474.0									
OBS	00601	03.39	34.87	27.77		1474.0									
OBS	00651	03.34	34.87	27.77		1474.7									
STD	00700	03.36	34.88	27.77	00.300	1475.7									
OBS	00700	03.39	34.88	27.77		1475.7									
OBS	00750	03.41	34.88	27.77		1476.6									
STD	00800	03.41	34.88	27.77	00.340	1477.4									
OBS	00801	03.41	34.88	27.77		1477.5									
OBS	00850	03.42	34.88	27.77		1478.3									
STD	00900	03.45	34.89	27.78	00.380	1479.3									
OBS	00900	03.45	34.89	27.78		1479.3									
OBS	00953	03.46	34.90	27.78		1480.2									
STD	01000	03.44	34.90	27.78	00.421	1481.0									
OBS	01001	03.46	34.90	27.78		1481.0									
STD	01100	03.45	34.90	27.78	00.462	1482.7									
OBS	01100	03.45	34.90	27.78		1482.7									
STD	01200	03.42	34.90	27.79	00.504	1484.2									
OBS	01201	03.42	34.90	27.79		1484.2									
STD	01300	03.46	34.92	27.80	00.546	1486.1									
OBS	01302	03.46	34.92	27.80		1486.1									
STD	01400	03.45	34.92	27.80	00.588	1487.7									
OBS	01402	03.45	34.92	27.80		1487.8									
STD	01500	03.46	34.93	27.81	00.630	1489.5									
OBS	01500	03.46	34.93	27.81		1489.5									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID	31	0443	YEAR	1975	DTG	0249Z	AIR	TEMP	06.4	DIR	HGT	PER	WIND-DIR	26	INST	STD	RECORDER	TEN	50	1407	
CONSEC		0171	MONTH	04	SHP	EV	WET	SULB	05.8		27	1	2		TRACE	DIR	C		5	SQUARE	3
LAT	55	04.7N	DAY	30	DATA	USE	1	BARNET	1023.7	SEA			WIND-FOR		DURATION		00.5		2	SQUARE	42
LONG	053	09.5W	HOUR	14.1	AREA	05		CLOUD	T/A	CL/TR			WEATHER	X0	ORIG	011	950	27	1	SQUARE	53

CASNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.1	STD	00000	02.61	34.04	27.18	00.000	1455.6							
	OBS	00001	02.61	34.04	27.18		1459.6							
	OBS	00003	02.60	34.02	27.16		1456.6							
	OBS	00007	02.70	34.14	27.25		1460.3							
	STD	00010	03.12	34.22	27.27		1462.2							
	OBS	00011	03.31	34.25	27.28		1463.1							
	STD	00020	03.38	34.23	27.26	00.017	1463.5							
	OBS	00020	03.39	34.23	27.26		1463.6							
	STD	00030	02.53	34.25	27.35	00.025	1460.1							
	OBS	00030	02.44	34.26	27.34		1459.8							
	OBS	00032	02.16	34.29	27.41		1458.5							
	STD	00050	01.04	34.38	27.51	00.038	1457.5							
	OBS	00051	01.03	34.39	27.52		1457.5							
	STD	00075	01.95	34.46	27.56	00.052	1458.6							
	OBS	00074	01.96	34.46	27.56		1458.6							
	STD	00100	02.09	34.53	27.61	00.065	1459.6							
	OBS	00100	02.09	34.53	27.61		1459.7							
	STD	00125	02.23	34.56	27.62	00.077	1460.7							
	OBS	00125	02.23	34.56	27.62		1460.7							
	STD	00150	02.36	34.58	27.63	00.085	1461.7							
	OBS	00150	02.36	34.58	27.63		1461.7							
	OBS	00175	02.47	34.60	27.63		1462.7							
	STD	00200	02.68	34.65	27.66	00.112	1464.1							
	OBS	00201	02.71	34.66	27.66		1464.2							
	OBS	00222	03.19	34.75	27.69		1466.8							
	OBS	00226	03.22	34.75	27.69		1466.9							
	STD	00250	03.39	34.79	27.70	00.134	1468.1							
	OBS	00251	03.40	34.79	27.70		1468.2							
	OBS	00279	03.52	34.81	27.71		1469.2							
	STD	00300	03.54	34.81	27.70	00.156	1469.6							
	OBS	00300	03.54	34.81	27.70		1469.6							
	OBS	00335	03.35	34.82	27.71		1470.5							
	STD	00400	03.57	34.84	27.72	00.198	1471.4							
	OBS	00401	03.57	34.84	27.72		1471.5							
	OBS	00451	03.59	34.85	27.73		1472.4							
	STD	00500	03.57	34.86	27.74	00.239	1473.1							
	OBS	00502	03.57	34.86	27.74		1473.1							
	OBS	00552	03.57	34.87	27.75		1474.0							
	STD	00600	03.54	34.88	27.76	00.275	1474.7							
	OBS	00601	03.54	34.88	27									

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODE STATION DATA														
REFID 31 0463	YEAR 1975	BOATP 01667	AIR TEMP 07.3	DIR MGT PER	WIND-DIR 25	INST STD RECORDER	TEN SO 1407							
CONSEC 0172	MONTH 06	SHIP 01	WET SURF 05.1	28 0 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 1							
LAT 24 56.04	DAY 30	DATA USE 1	BAROMETER 1024.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 42							
LONG 093 24.04	HOUR 17.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 951 05	1 SQUARE 43							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	STD	00000	03.07	33.72	26.88	00.000	1461.2							
	OBS	00005	03.07	33.72	26.88		1461.3							
	STD	00010	03.07	33.71	26.87	00.012	1461.3							
	OBS	00011	03.00	33.71	26.88		1461.0							
	OBS	00013	02.86	33.66	26.85		1460.4							
	OBS	00019	01.46	33.69	26.98		1454.4							
	STD	00020	01.33	33.71	27.01	00.023	1453.8							
	OBS	00020	01.21	33.74	27.04		1453.4							
	OBS	00022	00.97	33.82	27.12		1452.4							
	STD	00030	00.71	33.83	27.15	00.033	1451.4							
	OBS	00030	00.68	33.84	27.15		1451.3							
	OBS	00034	00.43	33.90	27.22		1450.3							
	OBS	00036	00.42	33.92	27.23		1450.3							
	STD	00050	00.67	34.00	27.28	00.050	1451.8							
	OBS	00051	00.70	34.01	27.29		1452.0							
	STD	00075	01.30	34.24	27.44	00.068	1455.4							
	OBS	00076	01.32	34.25	27.44		1455.5							
	STD	00100	01.50	34.35	27.51	00.084	1456.8							
	OBS	00100	01.51	34.35	27.51		1456.9							
	STD	00125	01.65	34.42	27.55	00.098	1458.0							
	OBS	00125	01.66	34.42	27.55		1458.0							
	STD	00150	02.09	34.52	27.60	00.111	1460.5							
	OBS	00150	02.09	34.52	27.60		1460.5							
	OBS	00175	02.22	34.57	27.63		1461.5							
	OBS	00196	02.77	34.66	27.66		1464.4							
	STD	00200	02.83	34.68	27.67	00.135	1464.7							
	OBS	00201	02.86	34.69	27.67		1464.9							
	OBS	00226	03.31	34.76	27.69		1467.3							
	STD	00250	03.36	34.78	27.70	00.157	1467.9							
	OBS	00251	03.36	34.78	27.70		1468.0							
	OBS	00276	03.50	34.81	27.71		1469.0							
	STD	00300	03.54	34.82	27.71	00.178	1469.6							
	OBS	00300	03.54	34.82	27.71		1469.6							
	OBS	00350	03.57	34.83	27.72		1470.6							
	STD	00400	03.61	34.85	27.73	00.220	1471.6							
	OBS	00401	03.61	34.85	27.73		1471.6							
	OBS	00451	03.61	34.86	27.74		1472.5							
	STD	00500	03.59	34.86	27.74	00.261	1473.2							
	OBS	00500	03.59	34.86	27.74		1473.2							
	OBS	00550	03.57	34.86	27.74		1473.5							
	STD	00600	03.52	34.87	27.75	00.302	1474.6							
	OBS	00601	03.52	34.87	27.75		1474.6							
	OBS	00651	03.50	34.87	27.76		1475.3							
	STD	00700	03.50	34.87	27.76	00.342	1476.1							
	OBS	00700	03.50	34.87	27.76		1476.2							
	OBS	00750	03.48	34.87	27.76		1476.9							
	STD	00800	03.48	34.87	27.76	00.384	1477.7							
	OBS	00801	03.48	34.87	27.76		1477.7							
	OBS	00850	03.46	34.87	27.76		1478.5							
	STD	00900	03.46	34.87	27.76	00.426	1479.3							
	OBS	00900	03.46	34.87	27.76		1479.3							
	OBS	00953	03.46	34.87	27.76		1480.2							
	STD	01000	03.45	34.87	27.76	00.466	1480.9							
	OBS	01003	03.45	34.87	27.76		1481.0							
	STD	01100	03.49	34.88	27.76	00.512	1482.8							
	OBS	01100	03.49	34.88	27.76		1482.8							
	OBS	01170	03.48	34.89	27.77		1483.9							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA

REFID 31 0443	YEAR 1975	BOTDP 00470	AIR TEMP 06.5	DIR HGT PER 27 1 2	WIND-DIR 26	INST STD RECORDER	TEN SQ 1407
CONSEC 0173	MONTH 06	SHIP EV	WET BULB 05.5		WIND-SPD 06	TRACE DIA 0	5 SQUARE 1
LAT 34 50.4N	DAY 30	DATA USE 1	BAROMETER 1024.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 42
LONG 053 39.4W	MOOR 20.4	AREA 05	CLCUD T/A	CL/TA	WEATHER X2	ORIG 011 952 12	1 SQUARE 43

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDPH	SHD VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.4	STD	00000	03.16	33.13	26.40	00.000	1460.8							
	OBS	00001	03.16	33.13	26.40		1460.8							
	STD	00010	02.98	33.15	26.43	00.016	1460.2							
	OBS	00011	02.95	33.15	26.44		1460.1							
	OBS	00013	01.75	32.99	26.40		1454.7							
	STD	00020	01.63	33.05	26.46	00.032	1454.3							
	OBS	00020	01.09	33.06	26.50		1451.9							
	OBS	00022	- 0.60	32.94	26.49		1444.0							
	OBS	00024	- 1.05	33.26	26.77		1442.4							
	STD	00030	- 0.98	33.35	26.84	00.046	1443.0							
	OBS	00030	- 0.97	33.36	26.84		1443.0							
	OBS	00034	- 1.17	33.43	26.91		1442.3							
	STD	00050	- 1.09	33.57	27.02	00.069	1443.1							
	OBS	00051	- 1.07	33.59	27.03		1443.2							
	STD	00075	- 0.35	33.85	27.21	00.093	1447.3							
	OBS	00076	- 0.30	33.87	27.23		1447.6							
	OBS	00081	00.01	34.02	27.34		1449.3							
	OBS	00085	00.99	34.05	27.30		1453.9							
	OBS	00089	00.60	34.02	27.30		1452.1							
	STD	00100	00.55	34.09	27.36	00.112	1452.2							
	OBS	00100	00.55	34.09	27.36		1452.2							
	STD	00125	00.78	34.16	27.40	00.130	1453.8							
	OBS	00125	00.79	34.16	27.41		1453.8							
	STD	00150	01.08	34.26	27.47	00.147	1455.7							
	OBS	00150	01.09	34.26	27.47		1455.7							
	OBS	00175	01.53	34.38	27.53		1456.2							
	STD	00200	01.63	34.43	27.57	00.176	1459.2							
	OBS	00201	01.65	34.44	27.57		1459.3							
	OBS	00228	02.00	34.55	27.63		1461.4							
	STD	00250	02.37	34.63	27.66	00.200	1463.5							
	OBS	00251	02.39	34.63	27.67		1463.6							
	OBS	00276	02.73	34.66	27.66		1465.5							
	STD	00300	02.99	34.72	27.68	00.223	1467.1							
	OBS	00300	03.00	34.72	27.68		1467.2							
	OBS	00350	03.34	34.77	27.69		1465.5							
	STD	00400	03.59	34.79	27.70	00.266	1470.6							
	OBS	00401	03.59	34.79	27.70		1470.6							
	OBS	00451	03.54	34.83	27.72		1472.1							
	OBS	00460	03.55	34.83	27.72		1472.3							

REFID 31 0443	YEAR 1975	BOTDP 00270	AIR TEMP 08.9	DIR HGT PER 00 X X	WIND-DIR 24	INST STD RECORDER	TEN SQ 1407
CONSEC 0174	MONTH 06	SHIP EV	WET BULB 06.0		WIND-SPD 14	TRACE DIA 0	5 SQUARE 1
LAT 34 42.0N	DAY 30	DATA USE 1	BAROMETER 1024.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 42
LONG 053 53.0W	MOOR 22.1	AREA 05	CLCUD T/A	CL/TP	WEATHER X1	ORIG 011 953 08	1 SQUARE 43

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDPH	SHD VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.1	STD	00000	01.55	32.54	26.06	00.000	1452.9							
	OBS	00003	01.55	32.54	26.06		1453.0							
	OBS	00005	01.62	32.52	26.04		1453.3							
	OBS	00007	01.27	32.50	26.04		1451.7							
	STD	00010	01.12	32.50	26.05	00.020	1451.1							
	OBS	00011	01.01	32.50	26.06		1450.6							
	STD	00020	- 0.06	32.68	26.26	00.038	1446.1							
	OBS	00020	- 0.13	32.65	26.27		1445.8							
	OBS	00022	- 0.25	32.70	26.28		1445.3							
	OBS	00024	- 0.64	32.80	26.38		1443.7							
	STD	00030	- 1.08	33.00	26.56	00.055	1442.0							
	OBS	00030	- 1.11	33.02	26.57		1441.9							
	OBS	00041	- 1.45	33.22	26.75		1440.8							
	STD	00050	- 1.43	33.27	26.79	00.082	1441.1							
	OBS	00051	- 1.42	33.28	26.79		1441.1							
	STD	00075	- 1.29	33.44	26.92	00.112	1442.4							
	OBS	00076	- 1.28	33.45	26.93		1442.5							
	STD	00100	- 1.20	33.57	27.03	00.135	1443.4							
	OBS	00100	- 1.19	33.58	27.03		1443.5							
	STD	00125	- 0.85	33.73	27.14	00.164	1445.7							
	OBS	00125	- 0.84	33.73	27.14		1445.7							
	STD	00150	- 0.37	33.86	27.22	00.186	1448.5							
	OBS	00150	- 0.36	33.86	27.22		1448.5							
	OBS	00175	- 0.11	33.91	27.25		1450.2							
	STD	00200	00.26	34.04	27.34	00.226	1452.4							
	OBS	00201	00.28	34.05	27.35		1452.4							
	OBS	00226	00.55	34.12	27.39		1454.3							
	OBS	00237	00.86	34.24	27.47		1456.1							
	OBS	00241	01.12	34.27	27.47		1457.3							
	STD	00250	01.22	34.28	27.47	00.260	1457.9							
	OBS	00251	01.23	34.28	27.47		1458.0							
	OBS	00257	01.27	34.29	27.48		1458.3							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOBC STATION DATA

REFID 31 0463 YEAR 1975 BOTDP 00230 AIR TEMP 04.3 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SO 1407
 CONSEC 0175 MONTH 06 SHIP EV MET BULB 03.4 25 0 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 1
 LAT 54 35.0N DAY 30 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 44
 LONG 054 10.0W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 954 1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXVG	PD4	TOT P	NO2	NO3	SIG3	PH
23.6	STD	00000	01.90	32.34	25.87	00.000	1454.2							
	08S	00005	01.90	32.34	25.87		1454.3							
	STD	00010	01.93	32.34	25.87	00.021	1454.5							
	08S	00011	01.94	32.34	25.85		1454.6							
	08S	00013	01.87	32.40	25.92		1454.3							
	08S	00017	00.93	32.48	26.05		1450.3							
	STD	00020	00.95	32.48	26.06	00.042	1450.5							
	08S	00020	00.94	32.51	26.07		1450.6							
	08S	00022	00.90	32.54	26.11		1450.4							
	08S	00024	- 0.01	32.52	26.13		1446.2							
	08S	00028	- 0.71	32.73	26.33		1443.3							
	STD	00030	- 0.94	32.84	26.43	00.060	1442.4							
	08S	00030	- 0.99	32.88	26.46		1442.3							
	08S	00034	- 0.83	32.09	26.62		1443.4							
	08S	00034	- 0.85	32.11	26.64		1443.3							
	STD	00050	- 1.22	33.32	26.82	00.088	1442.1							
	08S	00051	- 1.23	33.33	26.83		1442.1							
	08S	00053	- 1.24	33.34	26.84		1442.1							
	STD	00075	- 1.13	33.55	27.01	00.117	1443.2							
	08S	00076	- 1.14	33.56	27.01		1443.3							
	08S	00095	- 1.03	33.61	27.05		1444.2							
	08S	00099	- 0.65	33.68	27.09		1446.1							
	STD	00100	- 0.68	33.67	27.08	00.142	1446.0							
	08S	00100	- 0.70	33.64	27.08		1445.9							
	STD	00125	- 0.38	33.80	27.17	00.166	1448.0							
	08S	00125	- 0.37	33.80	27.18		1448.0							
	STD	00150	- 0.16	33.92	27.26	00.187	1449.6							
	08S	00150	- 0.15	33.92	27.26		1449.6							
	08S	00175	00.27	34.04	27.34		1452.1							
	STD	00200	00.64	34.14	27.40	00.225	1454.3							
	08S	00201	00.66	34.15	27.41		1454.4							
	08S	00220	00.80	34.19	27.43		1455.5							

REFID 31 0463 YEAR 1975 BOTDP 00201 AIR TEMP 04.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SO 1407
 CONSEC 0176 MONTH 07 SHIP EV MET BULB 04.1 02 0 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 1
 LAT 54 27.0N DAY 01 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 44
 LONG 054 25.0W HOUR 02.1 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 955 1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXVG	PD4	TOT P	NO2	NO3	SIG3	PH
02.1	STD	00000	02.16	31.65	25.30	00.000	1454.4							
	08S	00001	02.16	31.65	25.30		1454.4							
	08S	00005	02.13	31.63	25.29		1454.3							
	STD	00010	02.04	31.63	25.30	00.027	1454.0							
	08S	00011	02.01	31.63	25.30		1453.9							
	08S	00013	00.58	31.77	25.50		1447.7							
	08S	00015	- 0.02	32.05	25.75		1445.4							
	08S	00017	- 0.36	32.44	26.08		1444.4							
	08S	00019	- 0.44	32.59	26.20		1444.2							
	STD	00020	- 0.63	32.61	26.23	00.045	1443.4							
	08S	00020	- 0.60	32.68	26.25		1442.6							
	08S	00024	- 1.39	32.75	26.36		1440.1							
	STD	00030	- 1.59	32.87	26.47	00.066	1439.4							
	08S	00030	- 1.60	32.88	26.47		1439.4							
	08S	00034	- 1.59	32.93	26.53		1439.6							
	08S	00047	- 1.37	33.06	26.61		1441.0							
	STD	00050	- 1.04	33.11	26.65	00.096	1442.7							
	08S	00051	- 0.93	33.14	26.67		1443.2							
	08S	00059	- 1.41	33.20	26.73		1441.2							
	STD	00075	- 1.27	33.33	26.83	00.129	1442.5							
	08S	00076	- 1.24	33.34	26.84		1442.4							
	STD	00100	- 1.20	33.47	26.94	00.158	1443.3							
	08S	00100	- 1.19	33.47	26.94		1443.3							
	STD	00125	- 0.99	33.61	27.04	00.185	1444.9							
	08S	00125	- 0.98	33.61	27.05		1444.9							
	STD	00150	- 0.73	33.73	27.13	00.205	1446.6							
	08S	00152	- 0.70	33.74	27.14		1446.6							
	08S	00177	- 0.26	33.87	27.23		1449.5							
	08S	00198	- 0.21	33.88	27.23		1450.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 0463	YEAR 1975	BOTDP 00176	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN 50 1407
CONSEC 0177	MONTH 07	SHIP EV	MET BULB 03.5	00 X X	WIND-SPD 05	TRACE DIR C	5 SQUARE 1
LAT 34 19.3N	DAY 01	DATA USE 1	BAROMETR 1002.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 41.5W	MOOR 03.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X0	ORIG 011 956	1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNMPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.8	STD	00000	02.17	31.42	25.12	00.000	1454.1							
	OBS	00001	02.17	31.42	25.12		1454.1							
	OBS	00005	02.16	31.45	25.14		1454.2							
	STD	00010	01.85	31.74	25.40	00.027	1453.3							
	OBS	00011	01.76	31.81	25.46		1453.0							
	STD	00020	01.69	31.86	25.51	00.053	1452.9							
	OBS	00020	01.23	31.87	25.54		1450.9							
	OBS	00022	- 0.01	32.15	25.83		1445.7							
	OBS	00026	- 0.55	32.57	26.19		1443.8							
	STD	00030	- 0.58	32.82	26.40	00.073	1444.1							
	OBS	00030	- 0.58	32.86	26.43		1444.1							
	OBS	00032	- 0.81	33.01	26.56		1443.3							
	OBS	00034	- 0.75	32.99	26.54		1443.6							
	OBS	00036	- 1.06	33.02	26.57		1442.2							
	STD	00050	- 1.30	33.19	26.72	00.103	1441.6							
	OBS	00051	- 1.32	33.20	26.73		1441.5							
	OBS	00053	- 1.35	33.21	26.74		1441.4							
	STD	00075	- 1.27	33.37	26.86	00.134	1442.4							
	OBS	00076	- 1.26	33.38	26.87		1442.4							
	STD	00100	- 1.09	33.55	27.01	00.162	1443.9							
	OBS	00100	- 1.08	33.56	27.01		1444.0							
	STD	00125	- 0.81	33.72	27.13	00.187	1445.8							
	OBS	00125	- 0.80	33.72	27.13		1445.9							
	STD	00150	- 0.31	33.86	27.22	00.210	1448.8							
	OBS	00150	- 0.30	33.86	27.22		1448.8							

REFID 31 0463	YEAR 1975	BOTDP 00161	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN 50 1407
CONSEC 0178	MONTH 07	SHIP EV	MET BULB 04.0	00 X X	WIND-SPD 09	TRACE DIR D	5 SQUARE 1
LAT 34 11.0N	DAY 01	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 55.7W	MOOR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XG	ORIG 011 957	1 SQUARE 44

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.6	STD	00000	02.17	31.23	24.97	00.000	1453.6							
	OBS	00001	02.17	31.23	24.97		1453.9							
	OBS	00009	01.89	31.24	25.00		1452.8							
	STD	00010	01.76	31.21	24.98	00.030	1452.2							
	OBS	00011	01.43	31.19	24.99		1450.7							
	OBS	00013	01.04	31.27	25.07		1449.1							
	STD	00020	00.86	31.70	25.43	00.058	1449.0							
	OBS	00020	00.80	31.80	25.51		1448.8							
	OBS	00024	00.44	32.31	25.94		1448.0							
	OBS	00028	- 0.34	32.74	26.32		1445.1							
	STD	00030	- 0.25	32.89	26.44	00.078	1445.7							
	OBS	00030	- 0.21	32.92	26.46		1445.9							
	OBS	00032	- 0.03	32.89	26.43 *		1446.8							
	OBS	00036	- 0.62	33.05	26.58		1444.3							
	OBS	00038	- 0.59	33.00	26.54 *		1444.4							
	OBS	00040	- 0.65	33.04	26.58		1444.2							
	STD	00050	- 1.01	33.23	26.74	00.107	1443.0							
	OBS	00051	- 1.04	33.25	26.76		1442.9							
	OBS	00055	- 1.10	33.31	26.81		1442.8							
	STD	00075	- 0.95	33.52	26.97	00.137	1444.1							
	OBS	00076	- 0.94	33.53	26.98		1444.2							
	STD	00100	- 0.65	33.71	27.12	00.163	1446.2							
	OBS	00100	- 0.63	33.72	27.12		1446.3							
	STD	00125	00.07	33.67	27.30	00.185	1450.3							
	OBS	00125	00.09	33.98	27.30		1450.4							
	OBS	00139	00.52	34.11	27.38		1452.7							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODEC STATION DATA														
REFID 31 8463	YEAR 1975	BOTDP 00141	AIR TEMP 05.0	DIR MGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1407							
CONSEC 0175	MONTH 07	SHIP EV	WET BULB 04.0	00 X X	WIND-SPD 11	TRACE DIR D	5 SQUARE 2							
LAT 34 02.6N	DAY 01	DATA USE 1	BAROMETER 1021.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44							
LONG 055 10.0W	MOOR 06.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 958	1 SQUARE 45							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.5	STD	00000	02.80	31.25	24.94	00.000	1456.7							
	OBS	00001	02.80	31.25	24.94		1456.7							
	OBS	00005	02.80	31.22	24.91		1456.7							
	OBS	00007	02.53	31.20	24.92		1455.5							
	STD	00010	02.45	31.21	24.93	00.030	1455.2							
	OBS	00011	02.34	31.21	24.94		1454.8							
	OBS	00013	02.12	31.24	25.00		1453.9							
	STD	00020	01.29	31.64	25.35	00.055	1450.8							
	OBS	00020	01.10	31.79	25.49		1450.2							
	OBS	00022	00.63	32.18	25.82		1448.6							
	OBS	00024	- 0.13	32.54	26.15		1445.7							
	OBS	00026	- 0.66	32.68	26.28		1443.5							
	STD	00030	- 0.93	32.79	26.38	00.080	1442.4							
	OBS	00030	- 0.97	32.80	26.39		1442.2							
	STD	00050	- 1.30	33.16	26.69	00.110	1441.5							
	OBS	00051	- 1.31	33.18	26.71		1441.5							
	STD	00075	- 1.08	33.45	26.92	00.141	1443.4							
	OBS	00076	- 1.07	33.44	26.93		1443.4							
	STD	00100	- 0.92	33.68	27.10	00.168	1444.9							
	OBS	00100	- 0.90	33.69	27.11		1445.0							
	OBS	00123	- 0.21	33.88	27.23		1448.8							

REFID 31 8463	YEAR 1975	BOTDP 00179	AIR TEMP 07.5	DIR MGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1407							
CONSEC 0180	MONTH 07	SHIP EV	WET BULB 04.5	00 X X	WIND-SPD 11	TRACE DIR C	5 SQUARE 2							
LAT 33 54.9N	DAY 01	DATA USE 1	BAROMETER 1021.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 24							
LONG 055 23.5W	MOOR 08.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 956 11	1 SQUARE 35							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
08.4	STD	00000	02.04	31.12	24.89	00.000	1453.1							
	OBS	00003	02.04	31.12	24.89		1453.2							
	STD	00010	00.73	31.48	25.26	00.025	1447.9							
	OBS	00011	00.61	31.52	25.30		1447.4							
	OBS	00013	00.55	31.54	25.31		1447.2							
	OBS	00017	- 0.10	32.04	25.76		1445.0							
	OBS	00019	- 0.76	32.44	26.09		1442.5							
	STD	00020	- 0.97	32.52	26.17	00.052	1441.7							
	OBS	00020	- 1.12	32.59	26.23		1441.1							
	OBS	00022	- 1.34	32.74	26.35		1440.3							
	OBS	00024	- 1.32	32.78	26.39		1440.5							
	OBS	00026	- 1.06	32.87	26.45		1441.9							
	OBS	00028	- 0.55	32.89	26.45		1444.3							
	STD	00030	- 0.95	32.88	26.46	00.065	1442.4							
	OBS	00032	- 1.42	32.86	26.45		1440.2							
	OBS	00034	- 1.59	32.93	26.51		1439.6							
	OBS	00038	- 1.41	32.96	26.53		1440.5							
	OBS	00041	- 0.59	33.01	26.55		1444.5							
	OBS	00043	- 0.86	33.12	26.65		1443.4							
	STD	00050	- 0.88	33.17	26.65	00.098	1443.5							
	OBS	00051	- 0.89	33.18	26.70		1443.5							
STD	00075	- 1.22	33.33	26.83	00.131	1442.5								
OBS	00076	- 1.23	33.34	26.84		1442.5								
STD	00100	- 1.21	33.47	26.95	00.160	1443.2								
OBS	00100	- 1.21	33.48	26.95		1443.2								
STD	00125	- 0.98	33.63	27.06	00.186	1444.9								
OBS	00125	- 0.97	33.63	27.06		1445.0								
STD	00150	- 0.77	33.75	27.15	00.210	1446.5								
OBS	00150	- 0.76	33.75	27.15		1446.5								
OBS	00169	- 0.30	33.86	27.22		1449.1								

REFID 31 8463	YEAR 1975	BOTDP 00135	AIR TEMP 07.5	DIR MGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1407							
CONSEC 0181	MONTH 07	SHIP EV	WET BULB 05.9	00 X X	WIND-SPD 11	TRACE DIR D	5 SQUARE 2							
LAT 33 45.3N	DAY 01	DATA USE 1	BAROMETER 1021.5	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 24							
LONG 055 41.8W	MOOR 10.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 960	1 SQUARE 35							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.0	STD	00000	01.76	30.78	24.64	00.000	1451.4							
	OBS	00003	01.76	30.78	24.64		1451.5							
	OBS	00006	01.82	30.75	24.64		1451.9							
	STD	00010	01.81	30.81	24.66	00.033	1451.8							
	OBS	00017	01.13	31.12	24.95		1449.3							
	OBS	00019	00.79	31.41	25.20		1448.2							
	STD	00020	00.30	31.73	25.48	00.062	1446.5							
	OBS	00020	- 0.12	31.98	25.70		1444.6							
	OBS	00022	- 0.94	32.38	26.05		1441.7							
	STD	00030	- 1.28	32.48	26.31	00.083	1440.6							
	OBS	00030	- 1.30	32.70	26.32		1440.9							
	OBS	00040	- 1.57	32.84	26.46		1439.7							
	STD	00050	- 1.55	32.93	26.51	00.116	1440.0							
	OBS	00051	- 1.55	32.94	26.52		1440.1							
	STD	00075	- 1.43	33.16	26.70	00.152	1441.3							
OBS	00076	- 1.43	33.17	26.71		1441.3								
STD	00100	- 1.34	33.32	26.82	00.184	1442.4								
OBS	00100	- 1.34	33.32	26.82		1442.4								
OBS	00110	- 1.30	33.37	26.86		1442.8								

TABLE III. USCGC CHASE, August-September, 1977.

MODEC STATION DATA

PSPIC 31 8155 YEAR 1975 BOTDP 00142 AIR TEMP 10.0 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1306
 CONSEC 0001 MONTH 08 SHIP E1 MET BULB 09.7 00 0 X WIND-SPD 00 TRACE DIR D 5 SQUARE 4
 LAT 47 03.0N DAY 30 DATA USE 1 BAROMETER 1019.0 SEA WIND-FOR DURATION 00.0 2 SQUARE 66
 LONG 048 03.0W HOUR 04.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG A2 06101 1 SQUARE 78

CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
04.9	STD	00000	06.84	31.59	24.34	00.000	1485.4							
	OBS	00000	09.84	31.59	24.34		1485.4							
	STD	00010	06.81	31.54	24.39	00.036	1485.6							
	OBS	00010	06.81	31.64	24.39		1485.6							
	STD	00020	04.11	32.32	25.67	00.065	1464.0							
	OBS	00020	04.11	32.32	25.67		1464.0							
	STD	00030	00.16	32.50	26.11	00.084	1447.0							
	OBS	00030	00.16	32.50	26.11		1447.0							
	OBS	00035	- 0.49	32.79	26.34		1443.6							
	OBS	00040	- 0.92	32.83	26.41		1442.7							
	OBS	00044	- 0.58	32.88	26.46		1442.6							
	STD	00050	- 0.93	32.92	26.49	00.121	1442.9							
	OBS	00050	- 0.93	32.92	26.49		1442.9							
	OBS	00055	- 0.80	32.56	26.52		1443.7							
	STD	00075	- 1.46	33.03	26.59	00.159	1441.0							
	OBS	00075	- 1.46	33.03	26.59		1441.0							
	OBS	00077	- 1.32	33.09	26.64		1440.8							
	OBS	00085	- 1.35	33.12	26.66		1441.0							
	OBS	00095	- 1.28	33.20	26.73		1442.4							
	STD	00100	- 1.28	33.24	26.76	00.193	1442.5							
	OBS	00100	- 1.28	33.24	26.76		1442.5							
	OBS	00105	- 1.27	33.30	26.81		1442.8							
	OBS	00115	- 1.12	33.32	26.82		1443.7							
	OBS	00122	- 1.02	33.39	26.87		1444.3							

PSPIC 31 8155 YEAR 1975 BOTDP 00174 AIR TEMP 10.0 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306
 CONSEC 0002 MONTH 08 SHIP E1 MET BULB 09.7 00 0 X WIND-SPD 06 TRACE DIR D 5 SQUARE 4
 LAT 47 01.0N DAY 30 DATA USE 1 BAROMETER 1016.9 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
 LONG 047 42.9W HOUR 04.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG A2 06102 1 SQUARE 77

CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
04.6	STD	00000	09.84	31.62	24.37	00.000	1485.5							
	OBS	00000	09.84	31.62	24.37		1485.5							
	STD	00010	08.04	31.65	24.70	00.034	1478.9							
	OBS	00010	08.04	31.69	24.70		1478.9							
	STD	00020	00.75	32.44	26.03	00.060	1449.5							
	OBS	00020	00.75	32.44	26.03		1449.5							
	OBS	00027	- 1.17	32.45	26.28		1441.0							
	STD	00030	- 1.20	32.49	26.31	00.075	1441.0							
	OBS	00030	- 1.20	32.49	26.31		1441.0							
	OBS	00035	- 1.21	32.72	26.33		1441.1							
	OBS	00040	- 1.27	32.74	26.35		1440.9							
	STD	00050	- 1.27	32.87	26.46	00.112	1441.2							
	OBS	00050	- 1.27	32.87	26.46		1441.2							
	OBS	00060	- 1.29	32.94	26.52		1441.4							
	OBS	00065	- 1.33	32.58	26.25		1441.4							
	OBS	00072	- 1.33	33.03	26.59		1441.6							
	STD	00075	- 1.24	33.03	26.59	00.150	1442.0							
	OBS	00075	- 1.24	33.03	26.59		1442.0							
	OBS	00088	- 1.25	33.12	26.66		1442.3							
	OBS	00095	- 1.30	33.17	26.70		1442.3							
	STD	00100	- 1.26	33.24	26.76	00.184	1442.6							
	OBS	00100	- 1.26	33.24	26.76		1442.6							
	OBS	00115	- 1.25	33.37	26.86		1443.1							
	STD	00125	- 1.11	33.48	26.95	00.214	1444.1							
	OBS	00125	- 1.11	33.48	26.95		1444.1							
	STD	00150	- 0.49	33.77	27.16	00.239	1447.8							
	OBS	00150	- 0.49	33.77	27.16		1447.8							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MODEC STATION DATA

REFID 31 0165	YEAR 1975	BOTDP 00203	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SO 1304
CONSEC 0003	MONTH 08	SHIP E1	WET BULB 07.5	23 2 5	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 47 01.0N	DAY 30	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 147 30.0W	MOUR 08.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 06103	1 SQUARE 77

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
08.0	STD	00000	08.59	31.56	24.51	00.000	1480.7							
	OBS	00000	08.59	31.56	24.51		1480.7							
	STD	00010	08.10	31.82	25.05	00.032	1471.4							
	OBS	00010	08.10	31.82	25.05		1471.4							
	STD	00020	- 0.75	32.54	26.17	00.056	1462.7							
	OBS	00020	- 0.75	32.54	26.17		1462.7							
	STD	00024	- 0.60	32.57	26.19		1463.5							
	OBS	00030	- 1.18	32.71	26.33	00.073	1461.1							
	OBS	00030	- 1.18	32.71	26.33		1461.1							
	OBS	00031	- 1.25	32.74	26.35		1460.8							
	OBS	00043	- 1.37	32.85	26.44		1460.6							
	STD	00050	- 1.24	32.92	26.50	00.106	1461.5							
	OBS	00050	- 1.24	32.92	26.50		1461.5							
	OBS	00052	- 1.31	32.98	26.55		1461.2							
	OBS	00055	- 1.28	32.99	26.56		1461.5							
	OBS	00060	- 1.35	33.06	26.61		1461.3							
	STD	00075	- 1.32	33.17	26.70	00.142	1461.8							
	OBS	00075	- 1.32	33.17	26.70		1461.8							
	OBS	00079	- 1.36	33.23	26.75		1461.8							
	STD	00100	- 1.06	33.47	26.94	00.173	1463.9							
	OBS	00100	- 1.06	33.47	26.94		1463.5							
	STD	00125	- 0.49	33.71	27.11	00.195	1467.3							
	OBS	00125	- 0.49	33.71	27.11		1467.3							
	STD	00150	- 0.20	33.79	27.16	00.222	1469.2							
	OBS	00150	- 0.20	33.79	27.16		1469.2							
	OBS	00158	- 0.13	33.92	27.26		1465.8							
	OBS	00180	00.87	34.06	27.32		1454.9							

REFID 31 0165	YEAR 1975	BOTDP 00495	AIR TEMP 09.1	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SO 1304
CONSEC 0004	MONTH 08	SHIP E1	WET BULB 08.3	18 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 30	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 147 13.5W	MOUR 08.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A2 06104	1 SQUARE 77

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
09.6	STD	00000	10.59	32.41	24.85	00.000	1489.2							
	OBS	00000	10.59	32.41	24.85		1489.2							
	STD	00007	10.59	32.41	24.85		1489.3							
	OBS	00010	10.45	32.41	24.88	00.031	1488.9							
	OBS	00010	10.45	32.41	24.88		1488.9							
	OBS	00016	10.19	32.41	24.92		1488.0							
	STD	00020	10.24	33.76	25.96	00.057	1490.0							
	OBS	00020	10.24	33.76	25.96		1490.0							
	STD	00030	04.83	33.86	26.81	00.073	1469.3							
	OBS	00030	04.83	34.06	27.33		1452.2							
	STD	00050	00.74	34.06	27.33	00.093	1452.2							
	OBS	00056	00.81	34.12	27.37		1452.7							
	OBS	00063	01.72	34.26	27.42		1457.1							
	OBS	00071	01.19	34.20	27.41		1454.7							
	STD	00075	01.37	34.34	27.51	00.110	1455.8							
	OBS	00075	01.37	34.34	27.51		1455.8							
	OBS	00080	01.56	34.35	27.51		1456.7							
	OBS	00090	01.55	34.40	27.55		1456.9							
	STD	00100	01.70	34.43	27.56	00.124	1457.8							
	OBS	00100	01.70	34.43	27.56		1457.8							
	OBS	00110	01.82	34.44	27.56		1458.5							
	OBS	00120	01.82	34.44	27.56		1458.7							
	STD	00125	01.65	34.43	27.56	00.137	1458.0							
	OBS	00125	01.65	34.43	27.56		1458.0							
	STD	00150	01.44	34.50	27.60	00.151	1455.8							
	OBS	00150	01.44	34.50	27.60		1459.8							
	OBS	00157	02.06	34.53	27.61		1460.5							
	OBS	00176	02.08	34.55	27.63		1460.9							
	STD	00200	02.28	34.60	27.65	00.175	1462.2							
	OBS	00200	02.28	34.60	27.65		1462.2							
	OBS	00240	02.63	34.67	27.68		1464.5							
	STD	00250	02.69	34.68	27.68	00.197	1465.0							
	OBS	00256	02.73	34.69	27.68		1465.2							
	OBS	00290	02.97	34.72	27.69		1466.9							
	STD	00300	02.97	34.73	27.69	00.219	1467.1							
	OBS	00300	02.97	34.73	27.69		1467.1							
	OBS	00335	02.97	34.72	27.69		1467.4							
	OBS	00345	02.92	34.73	27.70		1467.6							
	OBS	00380	02.42	34.74	27.71		1468.2							
	OBS	00390	02.46	34.74	27.70		1468.5							
	STD	00400	02.46	34.74	27.70	00.262	1468.7							
	OBS	00400	02.46	34.74	27.70		1468.7							
	OBS	00450	02.46	34.74	27.70		1469.5							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8195 YEAR 1975 BOTDP 01103 AIR TEMP 10.0 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEM SQ 1306
 CONSEC 0005 MONTH 08 SHIP E1 WET BULB 09.4 00 0 X WIND-SPD 04 TRACE DIR D 5 SQUARE 4
 LAT 47 03.0N DAY 30 DATA USE 1 BAROMETER 1021.0 SEA WIND-FOR X1 DURATION 00.4 2 SQUARE 66
 LONG 047 00.0N HOUR 11.6 AREA 05 CLOUD 7/A CL/TA WEATHER X1 ORIG A2 06105 1 SQUARE 77

CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	STD	00000	10.93	32.67	25.00	00.000	1450.8							
	OBS	00000	10.93	32.67	25.00		1450.8							
	STD	00010	11.84	33.72	25.65	00.027	1455.5							
	OBS	00010	11.84	33.72	25.65		1455.5							
	STD	00020	11.03	34.15	26.13	00.046	1453.3							
	OBS	00020	11.03	34.15	26.13		1453.3							
	STD	00030	05.65	34.43	27.17	00.062	1473.4							
	OBS	00030	05.65	34.43	27.17		1473.4							
	OBS	00040	04.08	34.57	27.46		1467.3							
	STD	00050	03.63	34.54	27.52	00.077	1465.6							
	OBS	00050	03.63	34.54	27.52		1465.6							
	STD	00075	03.06	34.66	27.63	00.090	1463.6							
	OBS	00075	03.06	34.66	27.63		1463.6							
	OBS	00090	02.84	34.69	27.67		1463.0							
	STD	00100	02.65	34.70	27.67	00.101	1463.6							
	OBS	00100	02.95	34.70	27.67		1463.6							
	STD	00125	02.96	34.73	27.70	00.112	1464.1							
	OBS	00125	02.56	34.73	27.70		1464.1							
	STD	00150	02.94	34.74	27.71	00.122	1464.5							
	OBS	00156	02.93	34.75	27.71		1464.5							
	OBS	00170	02.96	34.77	27.73		1464.9							
	STD	00200	02.96	34.78	27.73	00.142	1465.4							
	OBS	00200	02.96	34.78	27.73		1465.4							
	STD	00250	03.03	34.78	27.73	00.162	1466.5							
	OBS	00290	03.08	34.81	27.75		1467.5							
	STD	00300	03.14	34.82	27.75	00.181	1467.9							
	OBS	00300	03.14	34.82	27.75		1467.9							
	OBS	00350	03.19	34.83	27.75		1469.0							
	OBS	00385	03.11	34.83	27.76		1469.2							
	STD	00400	03.11	34.83	27.76	00.215	1469.4							
	OBS	00400	03.11	34.83	27.76		1469.4							
	STD	00500	03.13	34.84	27.77	00.256	1471.2							
	OBS	00500	03.13	34.84	27.77		1471.2							
	OBS	00590	03.17	34.85	27.77		1472.9							
	STD	00600	03.27	34.86	27.77	00.295	1473.5							
	OBS	00600	03.27	34.86	27.77		1473.5							
	OBS	00620	03.21	34.85	27.77		1473.5							
	OBS	00631	03.21	34.85	27.77		1473.7							
	OBS	00636	03.26	34.86	27.77		1474.0							
	OBS	00650	03.25	34.85	27.76		1474.2							
	OBS	00660	03.22	34.85	27.77		1474.3							
	STD	00700	03.22	34.86	27.77	00.333	1474.5							
	OBS	00700	03.22	34.86	27.77		1474.5							
	OBS	00715	03.25	34.86	27.77		1475.3							
	OBS	00725	03.19	34.85	27.77		1475.2							
	STD	00800	03.24	34.86	27.77	00.373	1476.7							
	OBS	00800	03.24	34.86	27.77		1476.7							
	OBS	00821	03.27	34.86	27.77		1477.2							
	OBS	00858	03.20	34.84	27.76		1477.4							
	STD	00900	03.20	34.84	27.76	00.413	1478.1							
	OBS	00900	03.20	34.84	27.76		1478.1							
	STD	01000	03.20	34.85	27.77	00.455	1478.8							
	OBS	01000	03.20	34.85	27.77		1478.8							
	OBS	01050	03.23	34.85	27.77		1480.8							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
REFID 31 8195	YEAR 1975	BOTOP 01152	AIR TEMP 10.7	DIR +GT PER	WIND-DIR 33	INST STD RECORDER	TEN SO 1306							
CONSEC 0306	MONTH 08	SHIP E1	WET BULB 09.7	35 3 3	WIND-SPD 04	TRACE DIR 0	5 SQUARE 4							
LA* 47 00.0N	DAY 30	DATA USE 1	BARCHETA 1020.7	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66							
LONG 046 45.0W	HOUR 13.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06106	1 SQUARE 76							
CASSTNUP/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	AQ2	NO3	SIO3	PH
	STD	00000	11.48	33.07	25.21	00.000	1493.2							
13.5	OBS	00000	11.48	33.07	25.21		1493.2							
	STD	00010	11.18	33.08	25.27	00.027	1492.3							
	OBS	00010	11.18	33.08	25.27		1492.3							
	STD	00020	11.18	34.22	26.16	00.050	1493.9							
	OBS	00020	11.18	34.22	26.16		1493.9							
	STD	00030	01.43	33.92	27.17	00.064	1494.8							
	OBS	00030	01.43	33.92	27.17		1494.8							
	OBS	00035	01.11	34.12	27.35		1493.7							
	OBS	00044	01.40	34.15	27.36		1495.2							
	OBS	00046	01.35	34.13	27.34		1494.9							
	STD	00050	01.42	34.18	27.38	00.080	1495.4							
	OBS	00050	01.42	34.18	27.38		1495.4							
	OBS	00060	02.20	34.34	27.45		1499.2							
	OBS	00070	01.95	34.30	27.44		1498.2							
	STD	00075	01.98	34.31	27.44	00.097	1498.5							
	OBS	00075	01.98	34.31	27.44		1498.5							
	OBS	00080	01.92	34.29	27.43		1498.3							
	STD	00100	02.60	34.51	27.55	00.112	1461.9							
	OBS	00100	02.60	34.51	27.55		1461.9							
	OBS	00112	02.81	34.55	27.57		1463.0							
	OBS	00122	02.43	34.52	27.57		1461.5							
	STD	00125	02.44	34.54	27.59	00.126	1461.7							
	OBS	00125	02.44	34.54	27.59		1461.7							
	OBS	00130	02.50	34.55	27.59		1462.0							
	OBS	00137	02.42	34.55	27.60		1461.7							
	STD	00150	02.60	34.63	27.65	00.138	1462.8							
	OBS	00150	02.60	34.63	27.65		1462.8							
	OBS	00186	03.15	34.72	27.67		1465.9							
	OBS	00192	03.04	34.71	27.67		1465.5							
	STD	00200	03.06	34.72	27.68	00.161	1465.8							
	OBS	00200	03.06	34.72	27.68		1465.8							
	OBS	00215	03.17	34.76	27.70		1466.6							
	OBS	00224	03.06	34.74	27.69		1466.2							
	STD	00250	03.21	34.78	27.71	00.182	1467.3							
	OBS	00250	03.21	34.78	27.71		1467.3							
	OBS	00273	03.28	34.79	27.71		1468.0							
	OBS	00283	03.10	34.75	27.70		1467.4							
	STD	00300	03.24	34.81	27.73	00.202	1468.4							
	OBS	00300	03.24	34.81	27.73		1468.4							
	OBS	00360	03.34	34.84	27.75		1469.9							
	STD	00400	03.36	34.84	27.75	00.242	1470.5							
	OBS	00400	03.36	34.84	27.75		1470.5							
	OBS	00430	03.26	34.85	27.75		1471.0							
	OBS	00462	03.50	34.86	27.75		1472.2							
	STD	00500	03.52	34.86	27.75	00.282	1472.9							
	OBS	00500	03.52	34.86	27.75		1472.5							
	STD	00600	03.30	34.84	27.75	00.322	1473.6							
	OBS	00600	03.30	34.84	27.75		1473.6							
	OBS	00613	03.26	34.84	27.75		1473.6							
	OBS	00642	03.27	34.85	27.76		1474.2							
	OBS	00647	03.30	34.85	27.76		1474.4							
	OBS	00694	03.30	34.87	27.77		1475.2							
	STD	00700	03.37	34.87	27.77	00.362	1475.6							
	OBS	00700	03.37	34.87	27.77		1475.6							
	OBS	00754	03.36	34.86	27.76		1477.1							
	STD	00800	03.33	34.85	27.76	00.403	1477.0							
	OBS	00800	03.33	34.85	27.76		1477.0							
	OBS	00845	03.33	34.85	27.76		1477.8							
	OBS	00847	03.29	34.84	27.75		1477.6							
	OBS	00873	03.35	34.86	27.76		1478.4							
	STD	00900	03.35	34.86	27.76	00.444	1478.8							
	OBS	00900	03.35	34.86	27.76		1478.8							
	OBS	00950	03.34	34.87	27.77		1479.7							
	OBS	00960	03.30	34.86	27.77		1479.6							
	OBS	00969	03.33	34.87	27.77		1479.9							
	OBS	00978	03.25	34.85	27.76		1479.7							
	STD	01000	03.24	34.85	27.76	00.486	1480.0							
	OBS	01000	03.24	34.85	27.76		1480.0							
	OBS	01056	03.27	34.86	27.77		1481.1							
	OBS	01070	03.32	34.87	27.77		1481.5							
	STD	01100	03.32	34.86	27.76	00.525	1482.0							
	OBS	01100	03.32	34.86	27.76		1482.0							

00 000000000000

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODEC STATION DATA														
REFID 31 8155	YEAR 1975	BOTOP 00471	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1306							
CONSEC 0007	MONTH 08	SHIP E1	NET BULB 10.2	03 3 4	WIND-SPD 09	TRACE CIR D	5 SQUARE 4							
LA° 47 00.0N	DAY 30	DATA USE 1	BAROMETER 1021.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66							
LONG 046 31.0W	MOOR 13.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06107	1 SQUARE 76							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.4	STD	00000	11.75	32.79	24.94	00.000	1493.8							
	OBS	00000	11.75	32.79	24.94		1493.8							
	STD	00010	11.31	32.93	25.13	00.029	1492.4							
	OBS	00010	11.31	32.93	25.13		1492.4							
	STD	00020	08.07	34.11	26.59	00.051	1482.4							
	OBS	00020	08.07	34.11	26.59		1482.4							
	STD	00030	03.82	33.90	26.95	00.064	1465.1							
	OBS	00030	03.82	33.90	26.95		1465.1							
	STD	00040	02.97	34.02	27.13		1461.8							
	OBS	00040	02.97	34.02	27.13		1461.8							
	STD	00050	02.79	34.11	27.22	00.084	1461.3							
	OBS	00050	02.79	34.11	27.22		1461.3							
	STD	00060	02.81	34.17	27.26		1461.6							
	OBS	00060	02.81	34.17	27.26		1461.6							
	STD	00075	02.87	34.27	27.34	00.104	1462.3							
	OBS	00075	02.87	34.27	27.34		1462.3							
	STD	00090	03.45	34.42	27.40		1465.2							
	OBS	00090	03.45	34.42	27.40		1465.2							
	STD	00100	03.25	34.41	27.41	00.122	1464.5							
	OBS	00100	03.25	34.41	27.41		1464.5							
	STD	00105	03.19	34.40	27.41		1464.3							
	OBS	00105	03.19	34.40	27.41		1464.3							
	STD	00125	03.51	34.63	27.56	00.137	1466.3							
	OBS	00125	03.51	34.63	27.56		1466.3							
	STD	00140	03.95	34.67	27.55		1468.7							
	OBS	00140	03.95	34.67	27.55		1468.7							
	STD	00150	03.57	34.66	27.54	00.151	1468.7							
	OBS	00150	03.57	34.66	27.54		1468.7							
	STD	00165	03.32	34.57	27.53		1466.1							
	OBS	00165	03.32	34.57	27.53		1466.1							
	STD	00175	03.41	34.67	27.60		1466.8							
	OBS	00175	03.41	34.67	27.60		1466.8							
	STD	00190	03.48	34.73	27.63		1468.3							
	OBS	00190	03.48	34.73	27.63		1468.3							
	STD	00195	03.45	34.68	27.61		1467.3							
	OBS	00195	03.45	34.68	27.61		1467.3							
	STD	00200	03.49	34.71	27.63	00.177	1467.6							
	OBS	00200	03.49	34.71	27.63		1467.6							
	STD	00210	03.37	34.69	27.62		1467.2							
	OBS	00210	03.37	34.69	27.62		1467.2							
	STD	00212	03.42	34.71	27.64		1467.5							
	OBS	00212	03.42	34.71	27.64		1467.5							
	STD	00220	03.35	34.68	27.62		1467.3							
	OBS	00220	03.35	34.68	27.62		1467.3							
	STD	00230	03.66	34.76	27.65		1468.5							
	OBS	00230	03.66	34.76	27.65		1468.5							
	STD	00240	03.41	34.73	27.65		1467.5							
	OBS	00240	03.41	34.73	27.65		1467.5							
	STD	00250	03.40	34.74	27.66	00.201	1468.1							
	OBS	00250	03.40	34.74	27.66		1468.1							
	STD	00258	03.31	34.72	27.65		1467.8							
	OBS	00258	03.31	34.72	27.65		1467.8							
	STD	00270	03.87	34.85	27.70		1470.6							
	OBS	00270	03.87	34.85	27.70		1470.6							
	STD	00300	04.07	34.88	27.70	00.223	1471.9							
	OBS	00300	04.07	34.88	27.70		1471.9							
	STD	00319	04.07	34.88	27.70		1472.2							
	OBS	00319	04.07	34.88	27.70		1472.2							
	STD	00350	03.9	34.85	27.71		1471.5							
	OBS	00350	03.9	34.85	27.71		1471.5							
	STD	00365	03.79	34.85	27.71		1471.8							
	OBS	00365	03.79	34.85	27.71		1471.8							
	STD	00370	03.84	34.88	27.73		1472.1							
	OBS	00370	03.84	34.88	27.73		1472.1							
	STD	00400	03.62	34.85	27.73	00.265	1471.6							
	OBS	00400	03.62	34.85	27.73		1471.6							
	STD	00450	03.53	34.85	27.74		1472.1							
	OBS	00450	03.53	34.85	27.74		1472.1							

REFID 31 8155	YEAR 1975	BOTOP 00300	AIR TEMP 11.4	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1306							
CONSEC 0008	MONTH 08	SHIP E1	NET BULB 10.6	35 3 4	WIND-SPD 09	TRACE CIR D	5 SQUARE 4							
LA° 46 59.0N	DAY 30	DATA USE 1	BAROMETER 1021.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66							
LONG 046 05.0W	MOOR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06108	1 SQUARE 66							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	STD	00000	13.50	32.96	24.74	00.000	1500.0							
	OBS	00000	13.50	32.96	24.74		1500.0							
	STD	00010	12.72	33.00	24.92	00.031	1497.6							
	OBS	00010	12.72	33.00	24.92		1497.6							
	STD	00020	05.65	33.62	26.53	00.054	1472.2							
	OBS	00020	05.65	33.62	26.53		1472.2							
	STD	00030	04.37	33.74	26.75	00.068	1468.0							
	OBS	00030	04.37	33.74	26.75		1468.0							
	STD	00050	02.77	33.90	27.05	00.052	1460.9							
	OBS	00050	02.77	33.90	27.05		1460.9							
	STD	00052	02.86	33.51	27.05		1461.4							
	OBS	00052	02.86	33.51	27.05		1461.4							
	STD	00055	02.76	33.91	27.06		1461.0							
	OBS	00055	02.76	33.91	27.06		1461.0							
	STD	00063	02.32	33.90	27.09		1459.2							
	OBS	00063	02.32	33.90	27.09		1459.2							
	STD	00075	02.73	34.28	27.36	00.114	1461.7							
	OBS	00075	02.73	34.28	27.36		1461.7							
	STD	00100	03.21	34.40	27.41	00.131	1464.3							
	OBS	00100	03.21	34.40	27.41		1464.3							
	STD	00114	03.44	34.45	27.46		1465.7							
	OBS	00114	03.44	34.45	27.46		1465.7							
	STD	00120	03.36	34.47	27.45		1465.4							
	OBS	00120	03.36	34.47	27.45		1465.4							
	STD	00125	03.36	34.50	27.47	00.148	1465.5							
	OBS	00125	03.36	34.50	27.47		1465.5							
	STD	00132	03.37	34.53	27.50		1465.7							
	OBS	00132	03.37	34.53	27.50		1465.7							
	STD	00150	03.68	34.62	27.54	00.163	1467.5							
	OBS	00150	03.68	34.62	27.54		1467.5							
	STD	00155	03.60	34.61	27.54		1467.2							
	OBS	00155	03.60	34.61	27.54		1467.2							
	STD	00180	03.44	34.68	27.59		1467.9							
	OBS	00180	03.44	34.68	27.59		1467.9							
	STD	00200	03.82	34.74	27.62	00.180	1469.0							
	OBS	00200	03.82	34.74	27.62		1469.0							
	STD	00245	03.93	34.84	27.69		1470.4							
	OBS	00245	03.93	34.84	27.69		1470.4							
	STD	00250	03.93	34.84	27.69	00.213	1470.5							
	OBS	00250	03.93	34.84	27.69		1470.5							
	STD	00257	03.90	34.84	27.65		1470.5							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8155	YEAR 1975	SDTDP 00301	AIR TEMP 11.7	DIR PCT PER	WIND-DIR 34	INST STD RECORDER	TEM SO 1306
CONSEC 6336	MONTH 08	SHIP E1	WET BULB 11.0	34 0 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 4
LAT 44 58.5N	DAY 30	DATA USE 1	BARCHETR 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 64
LONG 045 49.5W	HOUR 18.9	AREA 05	CLOUD 7/A	CL/7R	WEATHER X1	ORIG A2 06105	1 SQUARE 65

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	STD	00000	14.05	32.80	24.50	00.000	1501.6							
	OBS	00000	14.05	32.80	24.50		1501.6							
	STD	00010	14.01	32.81	24.52	00.034	1501.7							
	OBS	00010	14.01	32.81	24.52		1501.7							
	STD	00020	13.72	32.83	24.59	00.048	1500.9							
	OBS	00020	13.72	32.83	24.59		1500.9							
	STD	00030	09.43	32.88	25.41	00.058	1486.1							
	OBS	00030	09.43	32.88	25.41		1486.1							
	STD	00050	02.00	33.49	26.79	00.137	1457.0							
	OBS	00050	02.00	33.49	26.79		1457.0							
	OBS	00054	02.18	33.63	26.88		1458.1							
	OBS	03060	01.62	33.83	27.09		1456.0							
	OBS	00062	01.68	33.88	27.12		1456.3							
	OBS	00068	01.64	33.87	27.12		1456.2							
	STD	00075	01.88	34.04	27.23	00.163	1457.7							
	OBS	00075	01.88	34.04	27.23		1457.7							
	OBS	00080	02.02	34.06	27.24		1458.4							
	OBS	00082	01.90	34.04	27.23		1457.6							
	OBS	00095	03.17	34.32	27.35		1464.0							
	STD	00100	03.04	34.30	27.35	00.183	1463.5							
	OBS	00100	03.04	34.30	27.35		1463.5							
	OBS	00105	03.10	34.35	27.38		1463.9							
	OBS	00106	03.05	34.34	27.38		1463.7							
	OBS	00119	03.16	34.42	27.43		1464.5							
	STD	00125	03.40	34.48	27.45	00.200	1465.7							
	OBS	00125	03.40	34.48	27.45		1465.7							
	OBS	00127	03.48	34.50	27.46		1466.1							
	OBS	00131	03.12	34.45	27.46		1464.5							
	OBS	00135	03.15	34.50	27.48		1465.0							
	OBS	00137	03.08	34.47	27.48		1464.5							
	OBS	00140	03.14	34.50	27.50		1464.8							
	OBS	00146	03.05	34.48	27.49		1464.5							
	STD	00150	03.52	34.62	27.55	00.215	1466.8							
	OBS	00150	03.52	34.62	27.55		1466.8							
	OBS	00160	04.01	34.70	27.57		1469.1							
	OBS	00162	03.92	34.68	27.56		1468.8							
	OBS	00175	03.94	34.67	27.55		1469.0							
	OBS	00180	03.85	34.68	27.57		1468.8							
	STD	00200	03.90	34.73	27.60	00.242	1469.4							
	OBS	00200	03.90	34.73	27.60		1469.4							
	OBS	00235	04.04	34.81	27.65		1470.6							
	STD	00250	04.00	34.82	27.66	00.267	1470.7							
	OBS	00250	04.00	34.82	27.66		1470.7							
	OBS	00260	03.87	34.86	27.71		1470.7							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MDDC STATION DATA

REFID 31 0458 YEAR 1975 BOTOP 03761 ATR TEMP 20.6 DIR ACT PER WIND-DIR 04 INST STD RECORDER TEN 54 1304
 COMSEC 0001 MONTH 09 SHIP E1 MET BULB 19.2 08 4 3 WIND-SPD 08 TRACE DIA 0 5 SQUARE 1
 LAT 43 15.0N DAY 01 DATA USE 1 BARCHETA 1021.5 SEA CL/TH WEATHER X2 DURATION 00.9 2 SQUARE 20
 LONG 041 44.0W HOUR 00.3 AREA 05 CLOUD T/A CL/TH WEATHER X2 DRIG A3 06401 1 SQUARE 31

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SHO VEL	OXYG	PO4	TOT P	AC2	NO3	SIG3	PH
00.3	STD	00000	22.54	35.74	24.66	00.000	1529.7							
	08S	00000	22.54	35.74	24.66		1529.7							
	STD	00010	22.81	35.80	24.60	00.033	1530.7							
	08S	00010	22.81	35.80	24.60		1530.7							
	STD	00020	21.38	36.23	25.34	00.062	1527.6							
	08S	00020	21.38	36.23	25.34		1527.6							
	STD	00030	19.13	36.37	26.05	00.084	1521.8							
	08S	00030	19.13	36.37	26.05		1521.8							
	STD	00050	18.34	36.37	26.25	00.123	1519.9							
	08S	00050	18.34	36.37	26.25		1519.9							
	STD	00075	17.77	36.35	26.38	00.167	1516.7							
	08S	00075	17.77	36.35	26.38		1516.7							
	STD	00100	17.34	36.37	26.50	00.207	1517.8							
	08S	00100	17.34	36.37	26.50		1517.8							
	STD	00125	17.05	36.27	26.49	00.247	1517.3							
	08S	00125	17.05	36.27	26.49		1517.3							
	STD	00150	16.31	36.19	26.61	00.284	1515.4							
	08S	00150	16.31	36.19	26.61		1515.4							
	STD	00180	15.94	36.14	26.66		1514.7							
	08S	00180	15.94	36.14	26.66		1514.7							
	STD	00200	15.74	36.11	26.68	00.359	1514.3							
	08S	00200	15.74	36.11	26.68		1514.3							
	STD	00250	15.09	36.01	26.75	00.429	1513.0							
	08S	00250	15.09	36.01	26.75		1513.0							
	STD	00300	14.44	35.90	26.81	00.457	1511.6							
	08S	00300	14.44	35.90	26.81		1511.6							
	STD	00400	13.09	35.68	26.92	00.627	1508.6							
	08S	00400	13.09	35.68	26.92		1508.6							
	STD	00420	12.89	35.65	26.94		1508.2							
	08S	00420	12.89	35.65	26.94		1508.2							
	STD	00430	12.91	35.65	26.93		1508.4							
	08S	00430	12.91	35.65	26.93		1508.4							
	STD	00500	12.10	35.57	27.03	00.748	1506.7							
	08S	00500	12.10	35.57	27.03		1506.7							
	STD	00600	10.04	35.27	27.17	00.858	1500.7							
	08S	00600	10.04	35.27	27.17		1500.7							
	STD	00620	09.83	35.24	27.16		1500.2							
	08S	00620	09.83	35.24	27.16		1500.2							
	STD	00630	09.85	35.31	27.24		1500.6							
	08S	00630	09.85	35.31	27.24		1500.6							
	STD	00675	08.58	35.11	27.29		1496.6							
	08S	00675	08.58	35.11	27.29		1496.6							
	STD	00685	08.66	35.12	27.29		1496.6							
	08S	00685	08.66	35.12	27.29		1496.6							
	STD	00700	08.20	35.04	27.29	00.956	1495.3							
	08S	00700	08.20	35.04	27.29		1495.3							
	STD	00735	07.66	35.02	27.36		1493.7							
	08S	00735	07.66	35.02	27.36		1493.7							
	STD	00742	07.78	35.04	27.36		1496.3							
	08S	00742	07.78	35.04	27.36		1496.3							
	STD	00800	06.93	34.97	27.43	01.041	1491.9							
	08S	00800	06.93	34.97	27.43		1491.9							
	STD	00900	05.79	34.96	27.57	01.113	1489.0							
	08S	00900	05.79	34.96	27.57		1489.0							
	STD	00930	05.46	34.94	27.59		1488.2							
	08S	00930	05.46	34.94	27.59		1488.2							
	STD	00940	05.49	34.95	27.60		1488.5							
	08S	00940	05.49	34.95	27.60		1488.5							
	STD	00965	05.20	34.93	27.62		1487.7							
	08S	00965	05.20	34.93	27.62		1487.7							
	STD	00975	05.24	34.94	27.63		1488.0							
	08S	00975	05.24	34.94	27.63		1488.0							
	STD	01000	05.15	34.94	27.63		1487.8							
	08S	01000	05.15	34.94	27.63		1487.8							
	STD	01000	05.30	34.98	27.65	01.175	1486.7							
	08S	01000	05.30	34.98	27.65		1486.7							
	STD	01030	05.15	34.98	27.66		1488.6							
	08S	01030	05.15	34.98	27.66		1488.6							
	STD	01090	05.35	35.04	27.69		1490.5							
	08S	01090	05.35	35.04	27.69		1490.5							
	STD	01100	05.09	34.99	27.68	01.231	1489.6							
	08S	01100	05.09	34.99	27.68		1489.6							
	STD	01150	04.82	34.96	27.69		1489.3							
	08S	01150	04.82	34.96	27.69		1489.3							
	STD	01175	04.85	34.96	27.68		1489.8							
	08S	01175	04.85	34.96	27.68		1489.8							
	STD	01185	04.71	34.95	27.69		1489.4							
	08S	01185	04.71	34.95	27.69		1489.4							
	STD	01200	04.73	34.96	27.70	01.286	1489.7							
	08S	01200	04.73	34.96	27.70		1489.7							
	STD	01220	04.64	34.95	27.70		1489.7							
	08S	01220	04.64	34.95	27.70		1489.7							
	STD	01240	04.62	34.96	27.71		1489.9							
	08S	01240	04.62	34.96	27.71		1489.9							
	STD	01300	04.48	34.94	27.71	01.340	1490.3							
	08S	01300	04.48	34.94	27.71		1490.3							
	STD	01400	04.24	34.92	27.72	01.393	1491.1							
	08S	01400	04.24	34.92	27.72		1491.1							
	STD	01500	04.13	34.91	27.72	01.446	1492.2							
	08S	01500	04.13	34.91	27.72		1492.2							
	STD	01565	03.98	34.88	27.71		1492.6							
	08S	01565	03.98	34.88	27.71		1492.6							
	STD	01600	03.98	34.88	27.71		1493.2							
	08S	01600	03.98	34.88	27.71		1493.2							
	STD	01620	03.98	34.88	27.71		1493.6							
	08S	01620	03.98	34.88	27.71		1493.6							
	STD	01740	03.83	34.87	27.72	01.579	1494.9							
	08S	01740	03.83	34.87	27.72		1494.9							
	STD	01750	03.83	34.87	27.72		1495.1							
	08S	01750	03.83	34.87	27.72		1495.1							
	STD	01800	03.81	34.86	27.72		1495.9							
	08S	01800	03.81	34.86	27.72		1495.9							
	STD	01840	03.83	34.84	27.70		1496.6							
	08S	01840	03.83	34.84	27.70		1496.6							
	STD	01860	03.80	34.84	27.70		1496.8							
	08S	01860	03.80	34.84	27.70		1496.8							
	STD	01900	03.80	34.84	27.70		1497.5							
	08S	01900	03.80	34.84	27.70		1497.5							
	STD	01940	03.86	34.84	27.70		1498.4							
	08S	01940	03.86	34.84	27.70		1498.4							
	STD	02000	03.82	34.84	27.70	01.719	1499.3							
	08S	02000	03.82	34.84	27.70		1499.3							
	STD	02155	03.74											
	08S	02155	03.74											
	STD	02500	03.51											
	08S	02500	03.51											
	STD	03000	03.07											
	08S	03000	03.07											

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOBC STATION DATA															
REF ID	31	8458	YEAR	1975	BO TOP	04463	AIR TEMP	23.9	DIR MGT	PER	WIND-DIR	02	INST STD	RECORDER	TEN SO
CONSEC	43	0302	MONTH	09	SHIP	01	WET BULB	21.4	02	1	3	WIND-SPO	15	TRACE CIR	0
LA	43	21.0N	DAY	01	DATA	USE	1	BAROMETER	1023.7	SEA	CL/TR	WIND-FOR	DURATICA	00.4	9 SQUARE
LONG	042	23.0N	HOURL	17.9	AREA	05	CLCUD	T/A				WEATHER	X2	ORIG	A3 06402
															1 SQUARE 22
CASIMUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGNA-T	GYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH	
17.9	STD	00000	22.70	35.79	24.64	00.000	1530.1								
	OBS	00000	22.70	35.79	24.64		1530.1								
	STD	00010	22.62	35.77	24.65	00.033	1530.1								
	OBS	00010	22.62	35.77	24.65		1530.1								
	STD	00020	22.40	35.74	24.69	00.066	1529.6								
	OBS	00020	22.40	35.74	24.69		1529.6								
	STD	00030	22.16	35.78	24.78	00.098	1529.2								
	OBS	00030	22.16	35.78	24.78		1529.2								
	STD	00050	17.62	35.84	26.03	00.150	1517.2								
	OBS	00050	17.62	35.84	26.03		1517.2								
	STD	00075	15.86	35.94	26.52	00.195	1512.5								
	OBS	00075	15.86	35.94	26.52		1512.5								
	STD	00100	16.26	36.13	26.57		1514.1								
	OBS	00100	16.26	36.13	26.57		1514.1								
	STD	00100	16.00	36.07	26.59	00.233	1513.5								
	OBS	00100	16.00	36.07	26.59		1513.5								
	STD	00125	15.40	35.98	26.66	00.269	1511.9								
	OBS	00125	15.40	35.98	26.66		1511.9								
	STD	00150	14.74	35.86	26.71	00.305	1510.1								
	OBS	00150	14.74	35.86	26.71		1510.1								
	STD	00175	14.17	35.79	26.78		1508.4								
	OBS	00175	14.17	35.79	26.78		1508.4								
	STD	00200	13.66	35.74	26.78	00.372	1508.2								
	OBS	00200	13.66	35.74	26.78		1508.2								
	STD	00250	13.38	35.67	26.85	00.438	1507.1								
	OBS	00250	13.38	35.67	26.85		1507.1								
	STD	00300	12.67	35.57	26.92	00.500	1505.4								
	OBS	00300	12.67	35.57	26.92		1505.4								
	STD	00392	11.72	35.47	27.03		1505.5								
	OBS	00392	11.72	35.47	27.03		1505.5								
	STD	00400	11.72	35.48	27.03	00.618	1503.7								
	OBS	00400	11.72	35.48	27.03		1503.7								
	STD	00471	08.25	34.85	27.14		1451.4								
	OBS	00471	08.25	34.85	27.14		1451.4								
	STD	00480	08.23	34.84	27.13		1491.5								
	OBS	00480	08.23	34.84	27.13		1491.5								
	STD	00500	09.05	35.09	27.20	00.724	1495.2								
	OBS	00500	09.05	35.09	27.20		1495.2								
	STD	00506	09.23	35.13	27.20		1496.0								
	OBS	00506	09.23	35.13	27.20		1496.0								
	STD	00520	09.23	35.13	27.20		1496.3								
	OBS	00520	09.23	35.13	27.20		1496.3								
	STD	00557	07.20	34.82	27.27		1488.8								
	OBS	00557	07.20	34.82	27.27		1488.8								
	STD	00565	06.86	34.76	27.27		1487.5								
	OBS	00565	06.86	34.76	27.27		1487.5								
	STD	00590	06.90	34.83	27.32		1488.1								
	OBS	00590	06.90	34.83	27.32		1488.1								
	STD	00600	06.83	34.87	27.36	00.814	1488.1								
	OBS	00600	06.83	34.87	27.36		1488.1								
	STD	00620	07.12	34.92	27.36		1489.6								
	OBS	00620	07.12	34.92	27.36		1489.6								
	STD	00640	06.75	34.88	27.38		1488.4								
	OBS	00640	06.75	34.88	27.38		1488.4								
	STD	00655	07.47	35.08	27.44		1491.8								
	OBS	00655	07.47	35.08	27.44		1491.8								
	STD	00680	07.18	35.05	27.45		1490.8								
	OBS	00680	07.18	35.05	27.45		1490.8								
	STD	00700	06.62	35.02	27.48	00.891	1489.9								
	OBS	00700	06.62	35.02	27.48		1489.9								
	STD	00735	05.22	34.81	27.52		1483.8								
	OBS	00735	05.22	34.81	27.52		1483.8								
	STD	00775	05.25	34.82	27.52		1484.6								
	OBS	00775	05.25	34.82	27.52		1484.6								
	STD	00790	05.79	34.94	27.55		1487.2								
	OBS	00790	05.79	34.94	27.55		1487.2								
	STD	00800	04.83	34.78	27.54	00.959	1483.2								
	OBS	00800	04.83	34.78	27.54		1483.2								
	STD	00810	04.58	34.75	27.55		1482.3								
	OBS	00810	04.58	34.75	27.55		1482.3								
	STD	00822	05.20	34.53	27.62		1485.3								
	OBS	00822	05.20	34.53	27.62		1485.3								
	STD	00843	05.43	34.95	27.61		1486.6								
	OBS	00843	05.43	34.95	27.61		1486.6								
	STD	00873	04.94	34.89	27.62		1485.0								
	OBS	00873	04.94	34.89	27.62		1485.0								
	STD	00880	04.57	34.91	27.63		1485.3								
	OBS	00880	04.57	34.91	27.63		1485.3								
	STD	00900	04.72	34.88	27.63	01.020	1484.6								
	OBS	00900	04.72	34.88	27.63		1484.6								
	STD	00910	04.90	34.94	27.66		1485.6								
	OBS	00910	04.90	34.94	27.66		1485.6								
	STD	00920	04.83	34.91	27.64		1485.4								
	OBS	00920	04.83	34.91	27.64		1485.4								
	STD	00945	05.10	34.99	27.68		1487.0								
	OBS	00945	05.10	34.99	27.68		1487.0								
	STD	00955	04.94	34.98	27.69		1487.2								
	OBS	00955	04.94	34.98	27.69		1487.2								
	STD	01000	04.96	34.99	27.69	01.075	1487.4								
	OBS	01000	04.96	34.99	27.69		1487.4								
	STD	01010	05.06	35.01	27.70		1488.0								
	OBS	01010	05.06	35.01	27.70		1488.0								
	STD	01030	05.06	35.01	27.70		1488.3								
	OBS	01030	05.06	35.01	27.70		1488.3								
	STD	01045	04.91	34.98	27.69		1487.9								
	OBS	01045	04.91	34.98	27.69		1487.9								
	STD	01100	04.82	34.98	27.70	01.127	1488.4								
	OBS	01100	04.82	34.98	27.70		1488.4								
	STD	01140	04.58	34.96	27.71		1488.1								
	OBS	01140	04.58	34.96	27.71		1488.1								
	STD	01150	04.61	34.57	27.72		1488.4								
	OBS	01150	04.61	34.57	27.72		1488.4								
	STD	01193	04.43	34.95	27.72		1488.4								
	OBS	01193	04.43	34.95	27.72		1488.4								
	STD	01200	04.46	34.96	27.72	01.179	1488.7								
	OBS	01200	04.46	34.96	27.72		1488.7								
	STD	01200	04.46	34.96	27.72		1488.7								
	OBS	01200	04.46	34.96	27.72		1488.7								
	STD	01300	04.36	34.96	27.74	01.230	1489.9								
	OBS	01300	04.36	34.96	27.74		1489.9								

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOCC STATION DATA														
REFID 31 0450	YEAR 1975	SDTDP 03105	AIR TEMP 15.6	DIR MGT PER	WIND-DIR 10	INST STD RECORDER	TEN SO 1301							
CONSEC 0003	MONTH 08	SHIP E1	WET BULB 14.2	02 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 11							
LA 43 30.0N	DAY 01	DATA USE 1	BARGHETR 1023.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 22							
LONG 343 02.0W	MOOR 20.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A3 06403	1 SQUARE 33							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
20.4	STD	00000	21.20	35.33	24.71	00.000	1525.7							
	OBS	00000	21.20	35.33	24.71		1525.7							
	STD	00010	21.28	35.37	24.72	00.032	1526.2							
	OBS	00010	21.28	35.37	24.72		1526.2							
	OBS	00015	21.33	35.41	24.73		1526.4							
	STD	00020	21.28	35.45	24.78	00.065	1526.4							
	OBS	00020	21.28	35.45	24.78		1526.4							
	STD	00030	20.31	35.52	25.09	00.095	1524.1							
	OBS	00030	20.31	35.52	25.09		1524.1							
	STD	00050	15.45	35.44	24.34	00.141	1511.0							
	OBS	00050	15.45	35.44	24.34		1511.0							
	OBS	00055	15.28	35.81	24.55		1510.2							
	OBS	00064	15.18	35.88	24.63		1510.1							
	STD	00075	15.00	35.83	24.63	00.180	1509.4							
	OBS	00075	15.00	35.83	24.63		1509.4							
	OBS	00083	14.41	35.77	24.47		1508.5							
	OBS	00090	14.75	35.84	24.69		1509.1							
	STD	00100	14.40	35.73	24.68	00.216	1508.0							
	OBS	00100	14.40	35.73	24.68		1508.0							
	OBS	00119	13.53	35.62	24.78		1505.4							
	STD	00125	13.45	35.68	24.80	00.245	1505.9							
	OBS	00125	13.45	35.68	24.80		1505.9							
	OBS	00130	13.54	35.64	24.81		1505.4							
	OBS	00137	13.57	35.68	24.82		1505.9							
	STD	00150	13.41	35.64	24.82	00.281	1505.5							
	OBS	00150	13.41	35.64	24.82		1505.5							
	OBS	00165	12.88	35.56	24.87		1503.9							
	OBS	00168	13.01	35.62	24.89		1504.4							
	STD	00200	12.43	35.56	24.92	00.343	1503.6							
	OBS	00200	12.43	35.56	24.92		1503.6							
	STD	00250	12.09	35.49	24.97	00.402	1502.5							
	OBS	00250	12.09	35.49	24.97		1502.5							
	OBS	00280	11.54	35.44	27.04		1501.0							
	STD	00300	11.23	35.40	27.06	00.458	1500.2							
	OBS	00300	11.23	35.40	27.06		1500.2							
	OBS	00320	11.15	35.38	27.06		1500.2							
	OBS	00340	10.52	35.28	27.10		1498.2							
	OBS	00380	09.68	35.17	27.16		1495.7							
	STD	00400	09.49	35.12	27.15	00.563	1495.2							
	OBS	00400	09.49	35.12	27.15		1495.2							
	OBS	00430	08.86	35.09	27.23		1493.5							
	OBS	00437	09.00	35.14	27.25		1494.1							
	OBS	00450	08.46	35.08	27.25		1492.9							
	OBS	00459	08.78	35.12	27.27		1493.6							
	OBS	00485	08.16	35.07	27.32		1491.6							
	STD	00500	08.00	35.06	27.34	00.655	1491.2							
	OBS	00500	08.00	35.06	27.34		1491.2							
	OBS	00520	07.58	35.01	27.36		1489.9							
	OBS	00535	07.22	34.99	27.40		1488.7							
	OBS	00546	06.90	34.95	27.41		1487.6							
	OBS	00558	07.06	35.01	27.44		1488.5							
	OBS	00594	06.74	34.97	27.45		1487.8							
	STD	00600	06.50	34.95	27.47	00.732	1486.9							
	OBS	00600	06.50	34.95	27.47		1486.9							
	OBS	00675	05.51	34.97	27.56		1485.8							
	OBS	00685	05.77	34.96	27.57		1485.4							
	OBS	00693	05.79	35.00	27.60		1485.7							
	OBS	00698	05.84	35.00	27.55		1485.5							
	STD	00700	05.82	35.00	27.60	00.798	1485.5							
	OBS	00700	05.82	35.00	27.60		1485.5							
	OBS	00733	05.73	35.01	27.62		1486.0							
	OBS	00740	05.73	35.02	27.62		1486.2							
	OBS	00782	05.35	34.99	27.65		1485.3							
	STD	00800	05.51	35.01	27.64	00.854	1486.3							
	OBS	00800	05.51	35.01	27.64		1486.3							
	OBS	00808	05.56	35.03	27.65		1486.7							
	OBS	00838	05.20	34.99	27.66		1485.7							
	OBS	00845	05.26	35.02	27.68		1486.1							
	OBS	00867	05.17	35.01	27.68		1486.0							
	OBS	00875	05.24	35.02	27.68		1486.5							
	OBS	00895	05.22	35.01	27.68		1486.7							
	STD	00900	05.19	35.00	27.67	00.911	1486.7							
	OBS	00900	05.19	35.00	27.67		1486.7							
	OBS	00929	04.90	34.98	27.69		1485.9							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYMDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	001	00960	04.83	34.98	27.70		1486.2							
	001	00965	04.74	34.97	27.70		1485.9							
	001	00970	04.76	34.98	27.71		1486.0							
STD	01000	04.69	34.97	27.71		00.963	1486.2							
001	01000	04.69	34.97	27.71			1486.2							
001	01015	04.50	34.93	27.70			1485.4							
001	01023	04.53	34.95	27.71			1485.9							
001	01039	04.47	34.94	27.71			1485.5							
001	01045	04.32	34.96	27.72			1486.3							
001	01085	04.18	34.92	27.73			1485.5							
STD	01100	04.20	34.92	27.72		01.013	1485.8							
001	01100	04.20	34.92	27.72			1485.8							
001	01110	04.12	34.91	27.72			1485.6							
001	01132	04.08	34.91	27.73			1485.8							
001	01165	04.08	34.91	27.73			1486.4							
STD	01200	03.98	34.91	27.74		01.062	1486.5							
001	01200	03.98	34.91	27.74			1486.5							
001	01253	03.92	34.91	27.74			1487.2							
001	01275	03.97	34.92	27.75			1487.6							
STD	01300	03.95	34.91	27.74		01.110	1488.1							
001	01300	03.95	34.91	27.74			1488.1							
STD	01400	03.84	34.91	27.75		01.159	1489.3							
001	01400	03.84	34.91	27.75			1489.3							
001	01455	03.83	34.91	27.75			1490.2							
001	01485	03.77	34.90	27.75			1490.4							
STD	01500	03.67	34.89	27.75		01.207	1490.3							
001	01500	03.67	34.89	27.75			1490.3							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
REFID 31 0458	YEAR 1975	BOTDP 02560	ATR TEMP 20.4	DIR HGT PER	WIND-DIR 27	INST STC RECORDER	TEN SQ 1506							
CONSEC 0004	MONTH 09	SHIP E1	WET BULB 19.9	10 1 2	WIND-SPD 03	TRACE DIA C	5 SQUARE 1							
LAT 43 36.5N	DAY 01	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 22							
LONG 743 42.5W	MOOR 22.9	AREA 05	CLUD T/A	CL/TA	WEATHER X0	ORIG A3 06404	1 SQUARE 33							
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	END VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
22.5	STD	00000	16.41	33.18	24.28	00.000	1506.6							
	OBS	00000	16.41	33.18	24.28		1506.6							
	OBS	00008	16.10	33.14	24.32		1508.7							
	STD	00010	17.39	34.94	25.39	00.031	1514.8							
	OBS	00010	17.39	34.94	25.39		1514.8							
	STD	00020	16.49	34.93	25.60	00.056	1512.3							
	OBS	00020	16.49	34.93	25.60		1512.3							
	OBS	00025	16.39	35.90	26.37		1513.2							
	STD	00030	16.24	35.91	26.41	00.076	1512.8							
	OBS	00030	16.24	35.91	26.41		1512.8							
	STD	00050	15.54	35.92	26.58	00.108	1511.0							
	OBS	00050	15.54	35.92	26.58		1511.0							
	STD	00075	15.01	35.88	26.67	00.144	1509.7							
	OBS	00075	15.01	35.88	26.67		1509.7							
	STD	00100	14.33	35.80	26.75	00.178	1507.9							
	OBS	00100	14.33	35.80	26.75		1507.9							
	STD	00125	13.81	35.71	26.79	00.211	1506.5							
	OBS	00125	13.81	35.71	26.79		1506.5							
	STD	00150	13.30	35.64	26.85	00.243	1505.1							
	OBS	00150	13.30	35.64	26.85		1505.1							
	OBS	00190	12.69	35.56	26.91		1503.6							
	STD	00200	12.74	35.58	26.91	00.304	1504.0							
	OBS	00200	12.74	35.58	26.91		1504.0							
	OBS	00240	12.04	35.46	26.96		1502.1							
	STD	00250	12.04	35.46	26.96	00.364	1502.3							
	OBS	00250	12.04	35.46	26.96		1502.3							
	OBS	00270	11.57	35.45	26.96		1502.4							
	STD	00300	10.75	35.24	27.03	00.421	1498.3							
	OBS	00300	10.75	35.24	27.03		1498.3							
	OBS	00342	08.76	34.92	27.11		1491.3							
	OBS	00350	08.85	34.96	27.12		1492.0							
	OBS	00355	08.18	34.84	27.14		1495.2							
	OBS	00371	05.27	35.08	27.16		1493.9							
	OBS	00360	07.54	34.77	27.18		1487.3							
	STD	00400	06.14	35.20	27.27	00.521	1494.0							
	OBS	00400	06.14	35.20	27.27		1494.0							
	STD	00500	07.72	35.05	27.37	00.606	1490.1							
	OBS	00500	07.72	35.05	27.37		1490.1							
	OBS	00558	06.95	35.01	27.45		1488.0							
	OBS	00565	07.01	35.04	27.47		1488.4							
	STD	00600	06.40	34.98	27.51	00.680	1486.5							
	OBS	00600	06.40	34.98	27.51		1486.5							
	OBS	00645	06.10	35.00	27.56		1486.1							
	OBS	00680	05.95	35.00	27.58		1486.1							
	OBS	00685	06.21	35.04	27.58		1487.3							
	STD	00700	05.74	34.99	27.60	00.743	1485.6							
	OBS	00700	05.74	34.99	27.60		1485.6							
	STD	00800	05.14	34.99	27.67	00.799	1484.8							
	OBS	00800	05.14	34.95	27.67		1484.8							
	STD	00900	04.80	34.98	27.70	00.851	1485.0							
	OBS	00900	04.80	34.98	27.70		1485.0							
	OBS	00930	04.69	34.98	27.72		1485.1							
	OBS	00952	04.65	34.98	27.72		1485.4							
	STD	01000	04.50	34.97	27.73	00.900	1485.4							
	OBS	01000	04.50	34.97	27.73		1485.4							
	STD	01100	04.33	34.96	27.74	00.948	1486.4							
	OBS	01100	04.33	34.96	27.74		1486.4							
	STD	01200	04.16	34.95	27.75	00.996	1487.3							
	OBS	01200	04.16	34.95	27.75		1487.3							
	STD	01300	04.07	34.95	27.76	01.043	1488.7							
	OBS	01300	04.07	34.95	27.76		1488.7							
	STD	01400	03.97	34.94	27.76	01.091	1489.6							
	OBS	01400	03.97	34.94	27.76		1489.9							
	OBS	01410	03.97	34.94	27.76		1490.1							
	OBS	01430	03.90	34.93	27.76		1490.1							
	OBS	01443	03.77	34.91	27.76		1489.7							
	OBS	01460	03.81	34.92	27.76		1490.2							
	OBS	01470	03.78	34.91	27.76		1490.2							
	OBS	01490	03.79	34.92	27.77		1490.6							
	STD	01500	03.85	34.93	27.77	01.138	1491.1							
OBS	01500	03.85	34.93	27.77		1491.1								

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOCC STATION DATA															
REFID 31 0658	YEAR 1975	BOTDP 04023	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1304								
CONSEC 0005	MONTH 09	SNIP 11	WET BULB 18.9	00 0 X	WIND-SPD 05	TRACE DIR D	5 SQUARE 1								
LAT 43 46.04	DAY 02	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 24								
LONG 044 25.54	MOUR 02.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A3 04405	1 SQUARE 34								
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PO4	TCT P	NO2	NO3	SIO3	PH	
02.9	STD	00000	18.24	33.22	23.87	00.000	1515.1								
	OBS	00000	18.24	33.22	23.87		1515.1								
	STD	00010	18.25	33.23	23.88	00.040	1515.3								
	OBS	00010	18.25	33.23	23.88		1515.3								
	STD	00020	18.74	33.30	25.52	00.073	1491.3								
	OBS	00020	18.74	33.30	25.52		1491.3								
	STD	00030	08.34	33.38	25.97	00.056	1482.6								
	OBS	00030	08.34	33.38	25.97		1482.6								
	STD	00050	05.52	33.58	26.51	00.131	1472.1								
	OBS	00050	05.52	33.58	26.51		1472.1								
	STD	00075	03.42	33.82	26.93	00.165	1464.0								
	OBS	00075	03.42	33.82	26.93		1464.0								
	OBS	00083	03.19	33.95	27.05		1463.4								
	STD	00100	03.43	34.14	27.18	00.191	1464.9								
	OBS	00100	03.43	34.14	27.18		1464.9								
	OBS	00115	03.63	34.25	27.25		1466.2								
	STD	00125	03.60	34.25	27.25	00.212	1466.2								
	OBS	00125	03.60	34.25	27.25		1466.2								
	OBS	00140	03.60	34.32	27.31		1468.6								
	STD	00150	03.72	34.37	27.34	00.232	1467.3								
	OBS	00150	03.72	34.37	27.34		1467.3								
	OBS	00152	03.74	34.41	27.34		1467.5								
	STD	00200	03.54	34.54	27.45	00.268	1465.3								
	OBS	00200	03.54	34.54	27.45		1465.3								
	OBS	00220	04.02	34.60	27.49		1470.0								
	OBS	00230	04.02	34.61	27.50		1470.2								
	STD	00250	04.15	34.68	27.54	00.295	1471.2								
	OBS	00250	04.15	34.68	27.54		1471.2								
	OBS	00252	04.12	34.68	27.54		1471.1								
	OBS	00262	04.12	34.70	27.56		1471.3								
	OBS	00285	04.62	34.79	27.57		1473.6								
	OBS	00290	04.61	34.79	27.57		1473.9								
	STD	00300	04.71	34.82	27.59	00.327	1474.5								
	OBS	00300	04.71	34.82	27.59		1474.5								
	OBS	00310	04.67	34.82	27.59		1474.5								
	OBS	00317	04.67	34.82	27.59		1474.6								
	OBS	00330	04.72	34.84	27.60		1475.1								
	OBS	00350	04.73	34.87	27.62		1475.5								
	OBS	00360	04.78	34.88	27.63		1475.6								
	OBS	00390	04.68	34.88	27.64		1476.0								
	STD	00400	04.77	34.92	27.66	00.375	1476.5								
	OBS	00400	04.77	34.92	27.66		1476.5								
	OBS	00410	04.85	34.93	27.66		1477.1								
	OBS	00460	04.88	34.95	27.67		1478.0								
	OBS	00470	04.98	34.98	27.68		1478.4								
	STD	00500	04.86	34.96	27.68	00.427	1478.4								
	OBS	00500	04.86	34.96	27.68		1478.4								
	STD	00600	04.43	34.92	27.70	00.475	1478.4								
	OBS	00600	04.43	34.92	27.70		1478.4								
	OBS	00620	04.36	34.92	27.71		1478.5								
	OBS	00650	04.40	34.93	27.71		1479.2								
	STD	00700	04.42	34.95	27.72	00.521	1480.1								
	OBS	00700	04.42	34.95	27.72		1480.1								
	OBS	00730	04.04	34.90	27.72		1478.9								
	OBS	00773	04.11	34.93	27.74		1480.0								
	OBS	00783	04.06	34.93	27.75		1480.0								
	STD	00800	04.10	34.93	27.74	00.566	1480.4								
	OBS	00800	04.10	34.93	27.74		1480.4								
	OBS	00811	04.04	34.92	27.74		1480.3								
	OBS	00840	04.02	34.93	27.75		1481.1								
	OBS	00872	04.09	34.94	27.75		1481.6								
	STD	00900	04.08	34.94	27.75	00.610	1482.0								
	OBS	00900	04.08	34.94	27.75		1482.0								
	OBS	00940	04.06	34.94	27.75		1482.6								
	OBS	00955	04.10	34.94	27.75		1483.0								
	STD	01000	04.04	34.94	27.76	00.655	1483.5								
	OBS	01000	04.04	34.94	27.76		1483.5								
	OBS	01015	04.01	34.94	27.76		1483.6								
	STD	01100	04.01	34.94	27.76	00.700	1485.0								
	OBS	01100	04.01	34.94	27.76		1485.0								
	OBS	01140	04.00	34.93	27.75		1485.7								
	OBS	01150	03.93	34.93	27.76		1485.5								
	STD	01200	03.50	34.93	27.76	00.745	1486.2								
	OBS	01200	03.90	34.93	27.76		1486.2								
	OBS	01220	03.90	34.93	27.76		1486.6								
	OBS	01245	03.86	34.93	27.77		1486.8								
	OBS	01250	03.88	34.94	27.77		1487.0								
	STD	01300	03.90	34.94	27.77	00.791	1487.6								
	OBS	01300	03.90	34.94	27.77		1487.6								
	OBS	01370	03.88	34.94	27.77		1489.0								
	STD	01400	03.73	34.92	27.77	00.837	1488.9								
	OBS	01400	03.73	34.92	27.77		1488.9								
	OBS	01440	03.70	34.92	27.78		1489.8								
	OBS	01480	03.74	34.93	27.78		1490.3								
	STD	01500	03.71	34.93	27.78	00.883	1490.5								
	OBS	01500	03.71	34.93	27.78		1490.5								

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 0458	YEAR 1975	BOTDP 03200	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 09	SHIP E1	WET BULB 18.3	00 0 X	WIND-SPD 05	TRACE DIR D	9 SQUARE 2
LA* 43 51.5N	DAY 02	DATA USE 1	BAROMETR 1021.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 24
LONG 045 11.0W	HOOR 07.2	AREA 05	CLCUO T/A	CL/TR	WEATHER X0	DRIG A3 06406	1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VSL	DRYG	PD4	TOT P	NO2	NO3	SIG3	PH
07.2	STD	00000	18.92	34.29	24.52		1518.3							
	OBS	00000	18.92	34.29	24.52	00.000	1518.3							
	STD	00010	20.12	34.69	24.51	00.034	1522.3							
	OBS	00010	20.12	34.69	24.51		1522.3							
	STD	00020	16.55	35.24	25.82	00.062	1512.8							
	OBS	00020	16.55	35.24	25.82		1512.8							
	OBS	00025	14.97	35.13	26.10		1507.9							
	STD	00030	15.18	35.49	26.33	00.082	1509.1							
	OBS	00030	15.18	35.49	26.33		1509.1							
	OBS	00040	14.23	35.97	26.60		1506.4							
	STD	00050	14.83	35.81	26.65	00.113	1508.7							
	OBS	00050	14.83	35.81	26.65		1508.7							
	OBS	00070	14.62	35.80	26.69		1508.3							
	STD	00075	14.71	35.85	26.71	00.148	1508.7							
	OBS	00075	14.71	35.85	26.71		1508.7							
	STD	00100	14.14	35.75	26.75	00.182	1507.3							
	OBS	00100	14.14	35.75	26.75		1507.3							
	STD	00125	13.58	35.66	26.82	00.214	1505.7							
	OBS	00125	13.58	35.66	26.82		1505.7							
	STD	00150	13.09	35.59	26.85	00.246	1504.4							
	OBS	00150	13.09	35.59	26.85		1504.4							
	OBS	00178	11.87	35.38	26.93		1500.4							
	OBS	00182	11.92	35.42	26.95		1500.7							
	STD	00200	11.54	35.33	26.95	00.306	1499.6							
	OBS	00200	11.54	35.33	26.95		1499.6							
	OBS	00229	10.58	35.15	26.99		1496.4							
	OBS	00231	10.66	35.18	27.00		1496.8							
	STD	00250	10.21	35.12	27.03	00.363	1495.4							
	OBS	00250	10.21	35.12	27.03		1495.4							
	OBS	00270	09.37	35.00	27.08		1492.5							
	OBS	00275	09.40	35.02	27.09		1492.7							
	STD	00300	08.01	34.84	27.17	00.414	1487.7							
	OBS	00300	08.01	34.84	27.17		1487.7							
	OBS	00315	07.70	34.77	27.16		1486.6							
	OBS	00335	06.55	35.20	27.20		1494.5							
	OBS	00370	08.76	35.10	27.25		1492.0							
	STD	00400	07.64	34.88	27.25	00.507	1488.0							
	OBS	00400	07.64	34.88	27.25		1488.0							
	OBS	00455	06.45	34.84	27.39		1484.1							
	STD	00500	05.24	34.66	27.40	00.590	1479.8							
	OBS	00500	05.24	34.66	27.40		1479.8							
	OBS	00510	05.10	34.68	27.43		1479.4							
	OBS	00543	04.23	34.98	27.53		1484.9							
	OBS	00580	05.42	34.87	27.54		1482.1							
	STD	00600	05.42	34.92	27.58	00.657	1482.5							
	OBS	00600	05.42	34.92	27.58		1482.5							
	OBS	00610	05.39	34.92	27.59		1482.6							
	OBS	00620	05.47	34.96	27.61		1483.1							
	OBS	00670	04.73	34.88	27.63		1480.8							
	STD	00700	04.75	34.91	27.65	00.713	1481.4							
	OBS	00700	04.75	34.91	27.65		1481.4							
	OBS	00765	04.99	34.99	27.69		1483.6							
	STD	00800	04.67	34.94	27.65	00.764	1482.8							
	OBS	00800	04.67	34.94	27.69		1482.8							
	OBS	00820	04.52	34.93	27.70		1482.5							
	OBS	00845	04.54	34.94	27.70		1483.0							
	STD	00900	04.41	34.95	27.72	00.813	1483.4							
	OBS	00900	04.41	34.95	27.72		1483.4							
	OBS	00910	04.46	34.96	27.73		1483.8							
	STD	01000	04.28	34.95	27.74	00.861	1484.5							
	OBS	01000	04.28	34.95	27.74		1484.5							
	STD	01100	04.09	34.94	27.75	00.907	1485.4							
	OBS	01100	04.09	34.94	27.75		1485.4							
	OBS	01115	04.07	34.94	27.75		1485.5							
	OBS	01125	04.13	34.95	27.75		1486.0							
	STD	01200	04.03	34.93	27.75	00.954	1486.8							
	OBS	01200	04.03	34.93	27.75		1486.8							
	OBS	01235	03.93	34.91	27.74		1486.5							
	OBS	01250	03.78	34.90	27.75		1486.5							
	OBS	01268	03.75	34.91	27.76		1486.7							
	OBS	01274	03.79	34.91	27.76		1487.0							
	OBS	01290	03.72	34.90	27.76		1486.9							
	STD	01300	03.73	34.89	27.75	01.001	1487.1							
	OBS	01300	03.73	34.89	27.75		1487.1							
	OBS	01331	03.77	34.91	27.76		1487.9							
	STD	01400	03.71	34.91	27.77	01.048	1488.8							
	OBS	01400	03.71	34.91	27.77		1488.8							
	STD	01500	03.74	34.92	27.77	01.095	1490.6							
	OBS	01500	03.74	34.92	27.77		1490.6							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
REFIC 31 0458	YEAR 1975	BOTDP 04303	AIR TEMP 22.8	DIA MGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306							
CONSEC 0607	MONTH 09	SHIP E1	WET BULB 21.6	18 5 3	WIND-SPD 15	TRACE DIR	5 SQUARE 2							
LA* 44 03.3N	DAY 02	DATA USE 1	BAROMETR 1024.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 345 49.0W	HOUR 11.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A3 06407	1 SQUARE 45							
CASHTNR/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.1	STD	00000	21.87	35.71	24.81	00.000	1527.9							
	OBS	00000	21.87	35.71	24.81		1527.9							
	STD	00010	21.85	35.65	24.80	00.032	1528.0							
	OBS	00010	21.85	35.65	24.80		1528.0							
	STD	00020	17.68	35.80	25.98	00.058	1516.8							
	OBS	00020	17.68	35.80	25.98		1516.8							
	STD	00030	17.54	35.93	26.10	00.077	1516.9							
	OBS	00030	17.54	35.93	26.10		1516.9							
	STD	00050	15.88	36.10	26.64	00.111	1512.3							
	OBS	00050	15.88	36.10	26.64		1512.3							
	STD	00075	14.86	35.88	26.70	00.146	1509.3							
	OBS	00075	14.86	35.88	26.70		1509.3							
	STD	00100	14.09	35.77	26.78	00.176	1507.1							
	OBS	00100	14.09	35.77	26.78		1507.1							
	STD	00125	13.54	35.67	26.81	00.212	1505.6							
	OBS	00125	13.54	35.67	26.81		1505.6							
	STD	00150	12.74	35.59	26.92	00.243	1503.3							
	OBS	00150	12.74	35.59	26.92		1503.3							
	OBS	00183	12.19	35.48	26.94		1501.7							
	OBS	00188	12.24	35.51	26.96		1502.0							
	STD	00200	11.97	35.47	26.98	00.301	1501.2							
	OBS	00200	11.97	35.47	26.98		1501.2							
	STD	00250	10.80	35.34	27.10	00.355	1497.8							
	OBS	00250	10.80	35.34	27.10		1497.8							
	OBS	00282	08.62	34.93	27.14		1489.8							
	OBS	00295	08.67	34.97	27.17		1490.3							
	STD	00300	08.62	34.95	27.16	00.405	1490.1							
	OBS	00300	08.62	34.95	27.16		1490.1							
	OBS	00307	08.34	34.93	27.19		1489.2							
	OBS	00322	08.80	35.02	27.19		1491.3							
	OBS	00340	05.47	34.52	27.26		1478.2							
	OBS	00380	07.12	34.78	27.25		1485.5							
	STD	00400	06.35	34.78	27.35	00.494	1482.9							
	OBS	00400	06.35	34.78	27.35		1482.9							
	OBS	00425	05.34	34.66	27.39		1478.9							
	OBS	00435	05.79	34.82	27.46		1481.1							
	OBS	00445	05.86	34.82	27.45		1481.6							
	OBS	00457	06.03	34.86	27.46		1482.5							
	OBS	00488	05.74	34.90	27.53		1481.9							
	STD	00500	05.73	34.90	27.53	00.565	1482.1							
	OBS	00500	05.73	34.90	27.53		1482.1							
	OBS	00520	05.54	34.89	27.54		1481.6							
	OBS	00537	05.65	34.96	27.58		1482.6							
	OBS	00550	05.55	34.94	27.58		1482.2							
	OBS	00556	05.71	35.00	27.61		1483.1							
	OBS	00570	05.58	34.99	27.62		1482.8							
	OBS	00587	05.23	34.94	27.62		1481.5							
	STD	00600	05.41	34.98	27.63	00.624	1482.6							
	OBS	00600	05.41	34.98	27.63		1482.6							
	OBS	00606	05.52	35.02	27.65		1483.2							
	OBS	00625	05.26	34.96	27.63		1482.3							
	OBS	00640	04.88	34.94	27.66		1481.3							
	OBS	00680	04.76	34.94	27.68		1481.2							
	OBS	00690	04.71	34.95	27.69		1481.1							
	STD	00700	04.72	34.95	27.69	00.676	1481.3							
	OBS	00700	04.72	34.95	27.69		1481.3							
	OBS	00724	04.75	34.96	27.69		1481.9							
	OBS	00745	04.70	34.96	27.70		1482.0							
	OBS	00760	04.75	34.98	27.71		1482.5							
	OBS	00770	04.70	34.98	27.72		1482.5							
	OBS	00778	04.71	34.98	27.71		1482.6							
	STD	00800	04.61	34.97	27.72	00.725	1482.6							
	OBS	00800	04.61	34.97	27.72		1482.6							
	OBS	00845	04.41	34.96	27.73		1482.5							
	OBS	00865	04.37	34.96	27.74		1482.6							
	OBS	00875	04.43	34.96	27.73		1482.5							
	OBS	00895	04.24	34.93	27.73		1482.6							
	STD	00900	04.23	34.94	27.74	00.772	1482.6							
	OBS	00900	04.23	34.94	27.74		1482.6							
	OBS	00915	04.27	34.95	27.74		1483.1							
	OBS	00930	04.06	34.91	27.73		1482.4							
	OBS	00970	03.95	34.91	27.74		1482.6							
	OBS	00985	03.97	34.91	27.74		1482.9							
	OBS	00990	04.07	34.93	27.74		1483.4							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOCC STATION DATA													
CASSTNU4/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3 PH
STD		01000	04.06	34.93	27.75	00.817	1483.6						
OBS		01000	04.01	34.93	27.75		1483.6						
OBS		01025	04.06	34.92	27.74		1484.0						
OBS		01040	03.95	34.92	27.75		1483.8						
OBS		01060	03.94	34.92	27.75		1484.0						
OBS		01065	03.97	34.92	27.75		1484.3						
OBS		01095	03.97	34.92	27.75		1484.8						
STD		01100	03.95	34.92	27.75	00.863	1484.8						
OBS		01100	03.95	34.92	27.75		1484.8						
OBS		01105	03.89	34.91	27.75		1484.6						
OBS		01122	03.89	34.92	27.76		1484.9						
OBS		01132	03.87	34.92	27.76		1485.0						
OBS		01147	03.89	34.92	27.76		1485.3						
OBS		01153	03.95	34.94	27.77		1485.7						
OBS		01167	03.96	34.94	27.76		1485.6						
STD		01200	03.89	34.92	27.76	00.910	1486.2						
OBS		01200	03.89	34.92	27.76		1486.2						
OBS		01237	03.79	34.92	27.77		1483.4						
OBS		01275	03.95	34.94	27.77		1487.7						
OBS		01285	03.62	34.95	27.78		1487.8						
STD		01300	03.97	34.95	27.77	00.956	1488.2						
OBS		01300	03.97	34.95	27.77		1488.2						
OBS		01307	03.95	34.95	27.77		1488.3						
OBS		01370	03.91	34.94	27.77		1489.1						
OBS		01360	03.82	34.93	27.77		1489.1						
STD		01400	03.80	34.93	27.77	01.002	1489.2						
OBS		01400	03.80	34.93	27.77		1489.2						
OBS		01433	03.79	34.93	27.77		1489.7						
OBS		01455	03.63	34.94	27.78		1490.2						
STD		01500	03.67	34.93	27.79	01.047	1490.3						
OBS		01500	03.67	34.93	27.79		1490.3						

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NCOG STATION DATA														
REFID 31 0450	YEAR 1973	SHIP 05650	AIR TEMP 22.8	DIR WGT PER 10 6 4	WIND-DIR 15	INST STD RECORDER	TEM SG 1304							
CONSEC 0008	MONTH 09	SHIP 05650	WET DULS 20.8	WIND-SPD 25	TRACE DIA 0	5 SQUARE 2								
LAT 44 04.0N	DAY 02	DATA USE 1	BAROMETR 1023.2	SEA	DURATION 00.3	2 SQUARE 46								
LONG 046 32.3W	MOOR 15.0	AREA 05	CLCUD 1/A	CL/TR	ORIG A3 06408	1 SQUARE 46								
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PO4	TCT P	NO2	NO3	SI03	PH
15.0	STD	00000	22.31	35.72	24.70	00.000	1529.1							
	OBS	00000	22.31	35.72	24.70		1529.1							
	STD	00010	22.29	35.72	24.70	00.033	1529.2							
	OBS	00010	22.29	35.72	24.70		1529.2							
	STD	00020	22.12	35.84	24.84	00.064	1529.0							
	OBS	00020	22.12	35.84	24.84		1529.0							
	STD	00030	16.32	35.94	26.37	00.088	1513.7							
	OBS	00030	16.32	35.94	26.37		1513.7							
	OBS	00040	15.75											
	OBS	00045	16.30	36.10	26.54		1513.5							
	STD	00050	16.28	36.10	26.55	00.120	1513.5							
	OBS	00050	16.28	36.10	26.55		1513.5							
	STD	00075	15.27	35.92	26.64	00.157	1510.4							
	OBS	00075	15.27	35.92	26.64		1510.4							
	OBS	00060	14.76	35.89	26.73		1509.2							
	STD	00100	14.67	35.89	26.75	00.192	1509.1							
	OBS	00100	14.67	35.89	26.75		1509.1							
	STD	00125	14.07	35.74	26.76	00.225	1507.4							
	OBS	00125	14.07	35.74	26.76		1507.4							
	STD	00150	13.10	35.64	26.89	00.257	1504.5							
	OBS	00150	13.10	35.64	26.89		1504.5							
	OBS	00170	12.85	35.61	26.91		1503.9							
	STD	00200	12.46	35.50	26.91	00.318	1503.0							
	OBS	00200	12.46	35.50	26.91		1503.0							
	OBS	00232	11.95	35.47	26.98		1501.7							
	OBS	00243	11.97	35.50	27.00		1502.0							
	STD	00250	11.93	35.50	27.01	00.376	1502.0							
	OBS	00250	11.93	35.50	27.01		1502.0							
	STD	00300	10.90	35.36	27.09	00.430	1499.0							
	OBS	00300	10.90	35.36	27.09		1499.0							
	OBS	00345	09.33	35.15	27.20		1494.1							
	OBS	00370	09.42	35.18	27.21		1494.6							
	OBS	00381	09.06	35.14	27.24		1493.4							
	OBS	00390	09.15	35.20	27.27		1493.9							
	STD	00400	09.02	35.18	27.28	00.527	1493.6							
	OBS	00400	09.02	35.18	27.28		1493.6							
	OBS	00475	07.46	35.04	27.41		1488.7							
	STD	00500	07.14	35.04	27.45	00.608	1487.5							
	OBS	00500	07.14	35.04	27.45		1487.9							
	OBS	00520		34.90										
	OBS	00530		35.08										
	OBS	00540	06.64	35.04	27.52		1486.6							
	OBS	00552	06.73	35.06	27.52		1487.1							
	OBS	00580	05.30	34.83	27.53		1481.6							
	OBS	00585	05.38	34.88	27.56		1482.0							
	STD	00600	05.12	34.85	27.56	00.674	1481.2							
	OBS	00600	05.12	34.85	27.56		1481.2							
	OBS	00615	05.46	34.94	27.59		1482.5							
	OBS	00640	05.42	34.95	27.61		1483.2							
	OBS	00670	04.66	34.84	27.61		1480.4							
	OBS	00678	04.84	34.90	27.64		1481.4							
	OBS	00690	04.82	34.89	27.63		1481.5							
	STD	00700	04.63	34.89	27.63	00.731	1480.5							
	OBS	00700	04.63	34.89	27.63		1480.5							
	OBS	00717	04.61	34.84	27.64		1480.2							
	OBS	00734	04.74	34.92	27.66		1482.0							
	OBS	00748	04.75	34.92	27.66		1482.2							
	OBS	00780	04.42	34.88	27.67		1481.3							
	OBS	00789	04.36	34.92	27.68		1482.1							
	STD	00800	04.47	34.91	27.69	00.782	1481.5							
	OBS	00800	04.47	34.91	27.69		1481.9							
	OBS	00820	04.80	34.99	27.71		1483.7							
	OBS	00821	04.67	34.98	27.72		1483.2							
	OBS	00837	04.91	35.01	27.71		1484.5							
	OBS	00847	04.76	34.95	27.72		1484.0							
	OBS	00840	04.83	34.99	27.71		1484.5							
	OBS	00850	04.70	34.99	27.72		1484.5							
	STD	00900	04.72	35.00	27.73	00.831	1484.7							
	OBS	00900	04.72	35.00	27.73		1484.7							
	OBS	00960	04.50	34.96	27.72		1484.8							
	STD	01000	04.43	34.96	27.73	00.875	1485.1							
	OBS	01000	04.43	34.96	27.73		1485.1							
	OBS	01050	04.18	34.93	27.73		1484.9							
	OBS	01055	04.24	34.95	27.74		1485.3							
	OBS	01060	04.16	34.94	27.74		1485.5							
	STD	01100	04.09	34.93	27.74	00.927	1485.4							
	OBS	01100	04.09	34.93	27.74		1485.4							
	OBS	01112	04.08	34.93	27.74		1485.5							
	OBS	01120	04.13	34.93	27.74		1485.9							
	OBS	01121	04.08	34.93	27.74		1485.7							
	OBS	01138	04.07	34.93	27.74		1485.9							
	OBS	01141	04.11	34.93	27.74		1486.1							
	OBS	01154	04.13	34.95	27.75		1486.5							
	OBS	01173	04.10	34.94	27.75		1486.6							
	STD	01200	04.04	34.94	27.76	00.974	1486.8							
	OBS	01200	04.04	34.94	27.76		1486.8							
	OBS	01273	03.92	34.94	27.77		1487.6							
	OBS	01290	03.97	34.94	27.76		1488.1							
	STD	01300	03.94	34.93	27.76	01.020	1488.1							
	OBS	01300	03.94	34.93	27.76		1488.1							
	STD	01400	03.88	34.93	27.76	01.068	1489.5							
	OBS	01400	03.88	34.93	27.76		1489.5							
	STD	01500	03.88	34.95	27.78	01.114	1491.2							
	OBS	01500	03.88	34.95	27.78		1491.2							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
REFID 31 0458	YEAR 1975	ROTDP 03840	AIR TEMP 21.3	DIR PGT PER	WIND-DIR 15	INST STD RECORDER	TEN SO 1306							
CONSEC 0000	MONTH 09	S-IP E1	WET BULB 16.8	15 3 5	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2							
LA° 44 14.5N	DAY 02	DATA USE 1	BAROMETER 1020.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46							
LONG 047 11.5W	MOOR 10.8	AREA 05	CLOUD T/A	CL/TX	WEATHER X1	ORIG A3 06409	1 SQUARE 47							
CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	STD	00000	21.41	35.14	24.45	00.000	1526.6							
	OBS	00000	21.41	35.14	24.45		1526.6							
	STD	00010	10.47	33.54	25.75	00.025	1450.4							
	OBS	00010	10.47	33.54	25.75		1450.4							
	OBS	00018	08.22	33.29	25.92		1481.8							
	STD	00020	11.47	34.54	26.35	00.048	1495.4							
	OBS	00020	11.47	34.54	26.35		1495.4							
	STD	00030	13.97	35.54	26.63	00.064	1505.2							
	OBS	00030	13.97	35.54	26.63		1505.2							
	STD	00050	13.14	35.52	26.79	00.091	1502.8							
	OBS	00050	13.14	35.52	26.79		1502.8							
	OBS	00059	12.93	35.47	26.79		1502.2							
	OBS	00061	13.06	35.50	26.79		1502.7							
	OBS	00070	12.80	35.46	26.81		1501.9							
	STD	00075	12.84	35.49	26.82	00.123	1502.2							
	OBS	00075	12.84	35.49	26.82		1502.2							
	OBS	00077	12.85	35.51	26.83		1502.4							
	OBS	00080	12.62	35.44	26.84		1501.5							
	OBS	00090	12.84	35.54	26.86		1502.5							
	STD	00100	12.57	35.51	26.89	00.154	1501.7							
	OBS	00100	12.57	35.51	26.89		1501.7							
	OBS	00106	12.39	35.48	26.90		1501.1							
	OBS	00115	12.64	35.54	26.90		1502.2							
	STD	00125	12.52	35.46	26.86	00.184	1501.9							
	OBS	00125	12.52	35.46	26.86		1501.9							
	STD	00150	11.35	35.34	26.99	00.213	1498.1							
	OBS	00150	11.35	35.34	26.99		1498.1							
	OBS	00161	10.58	35.18	27.01		1455.3							
	OBS	00180	10.24	35.15	27.05		1494.4							
	STD	00200	11.08	35.40	27.09	00.267	1458.0							
	OBS	00200	11.08	35.40	27.09		1458.0							
	STD	00250	09.88	35.21	27.16	00.317	1454.3							
	OBS	00250	09.88	35.21	27.16		1454.3							
	OBS	00275	08.28	34.99	27.240									
	OBS	00290	08.98	35.10	27.22		1451.5							
	STD	00300	08.73	35.08	27.24	00.363	1450.7							
	OBS	00300	08.73	35.08	27.24		1450.7							
	OBS	00340	08.33	35.10	27.32		1489.9							
	OBS	00346	07.70	35.01	27.35		1487.5							
	OBS	00351	07.58	35.07	27.35		1488.7							
	OBS	00375	07.53	35.02	27.38		1487.3							
	OBS	00385	07.54	34.94	27.320									
	OBS	00390	07.24	34.96	27.37		1486.3							
	OBS	00395	07.36	35.06	27.44		1487.0							
	STD	00400	07.27	35.04	27.43	00.444	1486.7							
	OBS	00400	07.27	35.04	27.43		1486.7							
	OBS	00433	07.11	35.06	27.47		1486.7							
	STD	00500	06.34	35.05	27.57	00.511	1484.7							
	OBS	00500	06.34	35.05	27.57		1484.7							
	OBS	00540	05.82	34.59	27.59		1483.2							
	OBS	00550	06.00	35.02	27.59		1484.2							
	OBS	00585	04.61	34.84	27.61		1478.8							
	STD	00600	04.66	34.86	27.62	00.568	1479.3							
	OBS	00600	04.66	34.86	27.62		1479.3							
	OBS	00622	04.89	34.92	27.65		1480.7							
	OBS	00634	04.72	34.90	27.65		1480.2							
	OBS	00640	04.83	34.94	27.67		1480.8							
	OBS	00690	04.18	34.86	27.68		1478.8							
	STD	00700	04.25	34.88	27.69	00.620	1479.3							
	OBS	00700	04.25	34.88	27.69		1479.3							
	OBS	00713	04.48	34.92	27.69		1480.5							
	OBS	00735	04.47	34.93	27.70		1480.5							
	OBS	00786	04.78	35.00	27.72		1483.1							
	STD	00800	04.72	34.99	27.72	00.668	1483.1							
	OBS	00800	04.72	34.99	27.72		1483.1							
	STD	00900	04.54	34.98	27.73	00.715	1484.0							
	OBS	00900	04.54	34.98	27.73		1484.0							
	OBS	00962	04.19	34.95	27.75		1483.5							
	OBS	00990	04.24	34.95	27.74		1484.2							
	STD	01000	04.23	34.95	27.74	00.762	1484.3							
	OBS	01000	04.23	34.95	27.74		1484.3							
	OBS	01048	04.19	34.95	27.75		1484.9							
	STD	01100	03.59	34.93	27.75	00.808	1484.5							
	OBS	01100	03.59	34.93	27.75		1484.9							
	STD	01200	03.87	34.92	27.76	00.854	1486.1							
	OBS	01200	03.87	34.92	27.76		1486.1							
	STD	01300	03.78	34.92	27.77	00.900	1487.4							
	OBS	01300	03.78	34.92	27.77		1487.4							
	STD	01400	03.72	34.92	27.77	00.945	1488.8							
	OBS	01400	03.72	34.92	27.77		1488.8							
	OBS	01411	03.70	34.91	27.77		1488.5							
	OBS	01440	03.81	34.93	27.77		1489.9							
	OBS	01460	03.80	34.93	27.77		1490.2							
	OBS	01470	03.88	34.95	27.78		1490.7							
	STD	01500	03.84	34.94	27.78	00.992	1491.0							
	OBS	01500	03.84	34.94	27.78		1491.0							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

W O O C S T A T I O N D A T A														
REFID 31 0458	YEAR 1975	BOTDP 03715	AIR TEMP 21.6	DIR MGT PER	WIND-DIR 15	INST STD RECORDER	TEM SQ 1306							
CONSEC 0010	MONTH 09	SHIP E1	WET BULB 20.6	18 6 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 2							
LAT 44 18.2N	DAY 02	DATA USE 1	BAROMETER 1018.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46							
LONG 047 33.5W	HOUR 21.2	AREA 05	CLOUD T/A	CL/TB	WEATHER X1	ORIG A3 00410	1 SQUARE 47							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.2	STD	00000	20.33	34.63	24.37	00.000	1523.2							
	OBS	00000	20.33	34.63	24.37		1523.2							
	OBS	00007	20.49	34.75	24.41		1523.8							
	STD	00010	18.77	34.82	24.96	00.003	1518.7							
	OBS	00010	18.77											
	STD	00020	16.74	35.02	25.61	00.060	1513.2							
	OBS	00020	16.74											
	OBS	00021	15.85											
	STD	00030	12.47	35.15	26.63	00.079	1499.8							
	OBS	00030	12.47											
	OBS	00035	12.48											
	STD	00050	12.19	35.19	26.72	00.107	1499.2							
	OBS	00050	12.19	35.19	26.72		1499.2							
	OBS	00060	10.45	35.10	26.54		1493.8							
	OBS	00070	11.49	35.28	26.52		1497.2							
	STD	00075	10.98	35.20	26.95	00.138	1495.4							
	OBS	00075	10.98	35.20	26.95		1495.4							
	OBS	00080	10.73	35.12	26.94		1494.5							
	OBS	00085	10.97	35.20	26.96		1495.5							
	STD	00100	10.45	35.07	26.95	00.166	1493.7							
	OBS	00100	10.45	35.07	26.95		1493.7							
	OBS	00105	10.59	35.10	26.95		1494.4							
	STD	00125	08.98	34.94	27.09	00.193	1488.6							
	OBS	00125	08.98	34.94	27.09		1488.6							
	OBS	00145	09.77	35.17	27.14		1492.1							
	STD	00150	05.56	35.14	27.16	00.217	1491.4							
	OBS	00150	09.56	35.16	27.16		1491.4							
	OBS	00158	05.03	35.04	27.16		1489.5							
	OBS	00172	05.47	35.18	27.20		1491.5							
	OBS	00178	09.41	35.16	27.20		1491.4							
	OBS	00181	09.33	35.19	27.20		1491.9							
	STD	00200	08.98	35.12	27.23	00.263	1490.1							
	OBS	00200	08.98	35.12	27.23		1490.1							
	OBS	00205	08.76	35.10	27.25		1489.3							
	OBS	00220	08.70	35.10	27.26		1489.3							
	OBS	00230	04.80	35.13	27.27		1489.9							
	OBS	00235	08.50	35.10	27.30		1488.8							
	STD	00250	08.09	35.03	27.30	00.306	1487.4							
	OBS	00250	08.09	35.03	27.30		1487.4							
	STD	00300	04.20	34.43	27.33	00.346	1471.5							
	OBS	00300	04.20	34.43	27.33		1471.9							
	OBS	00325	05.03	34.67	27.43		1476.0							
	OBS	00331	04.94	34.66	27.43		1475.8							
	OBS	00358	05.31	34.80	27.50		1477.9							
	OBS	00370	05.05	34.77	27.51		1477.0							
	OBS	00360	05.83	34.88	27.50		1480.7							
	STD	00400	04.72	34.76	27.54	00.415	1476.1							
	OBS	00400	04.72	34.76	27.54		1476.1							
	OBS	00440	05.93	35.06	27.63		1482.1							
	STD	00500	04.70	34.90	27.65	00.470	1477.9							
	OBS	00500	04.70	34.90	27.65		1477.9							
	OBS	00510	04.66	34.89	27.65		1477.9							
	OBS	00528	04.82	34.92	27.65		1478.9							
	OBS	00550	04.64	34.91	27.67		1478.5							
	OBS	00555	04.40	34.88	27.67		1477.5							
	OBS	00580	04.33	34.87	27.67		1477.6							
	OBS	00590	04.36	34.89	27.68		1477.6							
	STD	00600	04.34	34.89	27.68	00.520	1478.0							
	OBS	00600	04.34	34.89	27.68		1478.0							
	OBS	00610	04.19	34.86	27.68		1477.5							
	OBS	00625	04.33	34.90	27.69		1478.4							
	OBS	00640	04.25	34.89	27.69		1478.3							
	OBS	00655	04.27	34.91	27.71		1478.7							
	OBS	00660	04.48	34.96	27.72		1479.7							
	OBS	00670	04.35	34.93	27.71		1479.3							
	OBS	00675	04.46	34.96	27.73		1479.9							
	OBS	00685	04.41	34.94	27.72		1479.8							
	OBS	00695	04.41	34.96	27.73		1480.0							
	STD	00700	04.45	34.96	27.73	00.566	1480.2							
	OBS	00700	04.45	34.96	27.73		1480.2							
	OBS	00775	04.42	34.87	27.74		1481.4							
	STD	00800	04.56	35.00	27.75	00.611	1482.4							
	OBS	00800	04.56	35.00	27.75		1482.4							
	OBS	00820	04.56	35.00	27.75		1482.7							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	CHY6	PO4	TOT P	NO2	NO3	SIG3	PH
	OBS	00860	04.39	34.58	27.75		1482.7							
	OBS	00880	04.35	34.98	27.75		1483.0							
	STD	00900	04.44	35.00	27.76	00.654	1483.7							
	OBS	00900	04.44	35.00	27.76		1483.7							
	STD	01000	04.04	34.94	27.76	00.701	1483.5							
	OBS	01000	04.04	34.94	27.76		1483.5							
	STD	01100	03.89	34.93	27.76	00.745	1484.5							
	OBS	01100	03.89	34.93	27.76		1484.5							
	STD	01200	03.74	34.92	27.77	00.790	1485.6							
	OBS	01200	03.74	34.92	27.77		1485.6							
	OBS	01215	03.74	34.91	27.76		1485.8							
	OBS	01230	03.68	34.89	27.75		1485.8							
	OBS	01250	03.74	34.92	27.77		1486.4							
	STD	01300	03.75	34.93	27.78	00.834	1487.3							
	OBS	01300	03.75	34.93	27.78		1487.3							
	OBS	01320	03.75	34.92	27.77		1487.6							
	OBS	01350	03.70	34.92	27.78		1487.6							
	OBS	01350	03.70	34.92	27.78		1487.9							
	OBS	01360	03.77	34.94	27.78		1488.4							
	OBS	01375	03.77	34.94	27.78		1488.6							
	OBS	01385	03.72	34.93	27.78		1488.6							
	STD	01400	03.72	34.93	27.78	00.875	1488.8							
	OBS	01400	03.72	34.93	27.78		1488.8							
	OBS	01435	03.68	34.93	27.75		1489.3							
	OBS	01450	03.75	34.94	27.79		1489.8							
	OBS	01465	03.74	34.94	27.78		1490.1							
	OBS	01475	03.65	34.92	27.78		1489.8							
	STD	01500	03.65	34.93	27.79	00.924	1490.2							
	OBS	01500	03.65	34.93	27.79		1490.2							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

HCDC STATION DATA

REFID 31 0458 YEAR 1975 BOTDP 02576 AIR TEMP 21.1 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SO 1306
 CONSEC 0011 MONTH 09 SHIP E1 WET BULB 19.9 08 8 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2
 LAT 44 22.0N DAY 02 DATA USE 1 BAROMETR 1018.6 SEA CL/TR WIND-FOR DURATION 00.4 2 SQUARE 46
 LONG 047 52.5W HOUR 23.6 AREA 05 CLOUD T/A WEATHER X9 ORIG A3 06411 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	END VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.4	STD	00000	18.77	33.67	24.08	00.000	1517.1							
	OBS	00000	18.77	33.67	24.08		1517.1							
	STD	00010	18.84	33.67	24.07	00.038	1517.5							
	OBS	00010	18.84	33.67	24.07		1517.5							
	STD	00020	04.94	33.63	26.62	00.065	1469.3							
	OBS	00020	04.94											
	STD	00030	02.79	33.60	26.81	00.078	1460.3							
	OBS	00030	02.79											
	OBS	00044	01.34	33.54	26.87		1454.1							
	STD	00050	01.44	33.70	26.99	00.102	1454.8							
	OBS	00050	01.44	33.70	26.99		1454.8							
	OBS	00051	02.06	33.78	27.01		1457.7							
	OBS	00070	03.86	34.14	27.14		1466.3							
	OBS	00072	03.32	34.06	27.13		1463.9							
	STD	00075	03.44	34.12	27.16	00.126	1464.5							
	OBS	00075	03.44	34.12	27.16		1464.5							
	STD	00100	04.05	34.28	27.23	00.149	1467.7							
	OBS	00100	04.05	34.28	27.23		1467.7							
	OBS	00108	04.19	34.30	27.23		1468.5							
	OBS	00120	03.54	34.22	27.23		1465.8							
	STD	00125	03.74	34.28	27.26	00.170	1466.8							
	OBS	00125	03.74	34.28	27.26		1466.8							
	STD	00150	04.54	34.49	27.34	00.190	1470.9							
	OBS	00150	04.54	34.49	27.34		1470.9							
	OBS	00154	04.89	34.54	27.35		1472.5							
	OBS	00170	04.00	34.40	27.33		1468.8							
	OBS	00178	04.23	34.49	27.38		1470.1							
	OBS	00181	04.03	34.44	27.36		1469.2							
	OBS	00190	05.01	34.65	27.42		1473.7							
	STD	00200	05.04	34.66	27.42	00.226	1474.0							
	OBS	00200	05.04	34.66	27.42		1474.0							
	OBS	00208	05.19	34.70	27.44		1474.8							
	OBS	00218	04.89	34.64	27.42		1473.7							
	OBS	00228	05.01	34.69	27.45		1474.4							
	OBS	00233	04.96	34.68	27.45		1474.3							
	OBS	00238	05.02	34.69	27.45		1474.6							
	OBS	00246	04.37	34.60	27.45		1471.9							
	STD	00250	04.61	34.70	27.50	00.258	1473.1							
	OBS	00250	04.61	34.70	27.50		1473.1							
	OBS	00275	05.08	34.74	27.50		1475.5							
	OBS	00290	04.79	34.74	27.51		1474.6							
	STD	00300	05.18	34.88	27.58	00.288	1476.5							
	OBS	00300	05.18	34.88	27.58		1476.5							
	OBS	00310	06.17	35.05	27.59		1480.9							
	OBS	00318	06.15	35.04	27.59		1481.0							
	OBS	00321	06.22	35.06	27.59		1481.3							
	OBS	00340	06.13	35.04	27.59		1481.2							
	OBS	00370	05.17	34.91	27.61		1477.7							
	STD	00400	04.88	34.88	27.62	00.342	1476.5							
	OBS	00400	04.88	34.88	27.62		1476.5							
	OBS	00406	04.68	34.86	27.62		1476.2							
	OBS	00420	04.80	34.90	27.64		1477.0							
	OBS	00432	03.16	34.98	27.66		1478.8							
	OBS	00441	03.15	34.97	27.66		1478.9							
	OBS	00455	04.67	34.89	27.65		1477.0							
	OBS	00470	04.48	34.88	27.66		1476.4							
	OBS	00483	05.12	35.02	27.70		1479.7							
	STD	00500	05.10	35.01	27.69	00.392	1475.7							
	OBS	00500	05.10	35.01	27.69		1479.7							
	OBS	00540	04.48	34.92	27.69		1477.7							
	OBS	00550	04.42	34.92	27.70		1477.6							
	OBS	00570	04.45	34.94	27.71		1478.1							
	OBS	00590	04.37	34.93	27.71		1478.0							
	STD	00600	04.36	34.93	27.71	00.438	1478.2							
	OBS	00600	04.36	34.93	27.71		1478.2							
	OBS	00620	04.36	34.94	27.72		1478.5							
	STD	00700	04.28	34.94	27.73	00.484	1479.5							
	OBS	00700	04.28	34.94	27.73		1479.5							
	OBS	00750	04.26	34.95	27.74		1480.3							
	STD	00800	04.11	34.95	27.76	00.527	1480.5							
	OBS	00800	04.11	34.95	27.76		1480.5							
	OBS	00840	03.96	34.93	27.76		1480.5							
	OBS	00850	03.96	34.93	27.76		1480.6							
	STD	00900	03.89	34.92	27.76	00.571	1481.2							
	OBS	00900	03.89	34.92	27.76		1481.2							
	OBS	00940	03.78	34.91	27.76		1481.4							
	OBS	00960	03.70	34.89	27.75		1481.3							
	STD	01000	03.78	34.92	27.77	00.614	1482.4							
	OBS	01000	03.78	34.92	27.77		1482.4							
	OBS	01010	03.83	34.93	27.77		1482.8							
	OBS	01044	03.81	34.93	27.77		1483.3							
	OBS	01057	03.71	34.91	27.77		1483.0							
	STD	01100	03.71	34.91	27.77	00.658	1483.7							
	OBS	01100	03.71	34.91	27.77		1483.7							
	STD	01200	03.66	34.91	27.77	00.702	1485.2							
	OBS	01200	03.66	34.91	27.77		1485.2							
	STD	01300	03.62	34.91	27.78	00.746	1486.7							
	OBS	01300	03.62	34.91	27.78		1486.7							
	STD	01400	03.61	34.91	27.78	00.791	1488.4							
	OBS	01400	03.61	34.91	27.78		1488.4							
	STD	01500	03.61	34.92	27.78	00.836	1490.0							
	OBS	01500	03.61	34.92	27.78		1490.0							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODE STATION DATA														
REFID 31	0450	YEAR 1975	DOTDP 03392	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SO 1304						
CONSEC	0012	MONTH 05	SHIP E1	WET BULB 19.9	08 8 3	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2						
LAT 44	25.0N	DAY 03	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48						
LONG 048	06.3W	MOJA 03.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X9	ORIG A3 06412	1 SQUARE 48						
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	ORVG	PO4	TOT P	MO2	MO3	SIO3	PH
03.1	STD	00000	16.79	32.56	23.71	00.000	1510.0							
	OBS	00000	16.79	32.56	23.71		1510.0							
	STD	00010	06.43	32.80	25.78	00.032	1476.1							
	OBS	00010	06.43	32.80	25.78		1476.1							
	STD	00020	03.87	33.05	26.27	00.052	1466.0							
	OBS	00020	03.87	33.05	26.27		1466.0							
	STD	00030	02.05	33.22	26.57	00.068	1456.5							
	OBS	00030	02.05	33.22	26.57		1456.5							
	STD	00035	01.44	33.58	26.90		1456.4							
	OBS	00035	01.44	33.58	26.90		1456.4							
	STD	00050	02.10	33.82	27.04	00.093	1457.9							
	OBS	00050	02.10	33.82	27.04		1457.9							
	STD	00075	04.29	34.20	27.14	00.118	1468.2							
	OBS	00075	04.29	34.20	27.14		1468.2							
	STD	00080	03.57	34.16	27.14		1468.2							
	OBS	00080	03.57	34.16	27.14		1468.2							
	STD	00090	04.75	34.36	27.22		1470.6							
	OBS	00090	04.75	34.36	27.22		1470.6							
	STD	00092	04.62	34.35	27.22		1470.1							
	OBS	00092	04.62	34.35	27.22		1470.1							
	STD	00100	04.71	34.36	27.22	00.140	1470.6							
	OBS	00100	04.71	34.36	27.22		1470.6							
	STD	00120	03.85	34.30	27.27		1467.3							
	OBS	00120	03.85	34.30	27.27		1467.3							
	STD	00125	04.24	34.36	27.27	00.162	1469.1							
	OBS	00125	04.24	34.36	27.27		1469.1							
	STD	00150	05.25	34.63	27.37	00.181	1476.0							
	OBS	00150	05.25	34.63	27.37		1476.0							
	STD	00158	05.04	34.58	27.36		1473.2							
	OBS	00158	05.04	34.58	27.36		1473.2							
	STD	00190	06.64	34.64	27.44	00.216	1480.7							
	OBS	00190	06.64	34.64	27.44		1480.7							
	STD	00200	06.57	34.62	27.44		1480.5							
	OBS	00200	06.57	34.62	27.44		1480.5							
	STD	00218	05.60	34.78	27.45		1476.8							
	OBS	00218	05.60	34.78	27.45		1476.8							
	STD	00235	05.91	34.88	27.49		1478.4							
	OBS	00235	05.91	34.88	27.49		1478.4							
	STD	00250	05.40	34.84	27.52	00.245	1476.6							
	OBS	00250	05.40	34.84	27.52		1476.6							
	STD	00300	05.18	34.86	27.56	00.278	1476.5							
	OBS	00300	05.18	34.86	27.56		1476.5							
	STD	00325	05.05	34.86	27.58		1476.4							
	OBS	00325	05.05	34.86	27.58		1476.4							
	STD	00330	05.10	34.87	27.58		1476.7							
	OBS	00330	05.10	34.87	27.58		1476.7							
	STD	00360	04.34	34.81	27.62		1476.3							
	OBS	00360	04.34	34.81	27.62		1476.3							
	STD	00395	04.52	34.86	27.64		1475.3							
	OBS	00395	04.52	34.86	27.64		1475.3							
	STD	00400	04.36	34.85	27.65	00.331	1476.8							
	OBS	00400	04.36	34.85	27.65		1476.8							
	STD	00402	04.52	34.87	27.65		1475.5							
	OBS	00402	04.52	34.87	27.65		1475.5							
	STD	00410	04.40	34.85	27.65		1475.1							
	OBS	00410	04.40	34.85	27.65		1475.1							
	STD	00425	04.72	34.61	27.66		1476.7							
	OBS	00425	04.72	34.61	27.66		1476.7							
	STD	00435	04.40	34.85	27.65		1475.5							
	OBS	00435	04.40	34.85	27.65		1475.5							
	STD	00442	04.50	34.87	27.65		1476.1							
	OBS	00442	04.50	34.87	27.65		1476.1							
	STD	00472	04.24	34.87	27.68		1475.5							
	OBS	00472	04.24	34.87	27.68		1475.5							
	STD	00500	04.47	34.62	27.69	00.375	1477.0							
	OBS	00500	04.47	34.62	27.69		1477.0							
	STD	00520	04.54	34.93	27.69		1477.6							
	OBS	00520	04.54	34.93	27.69		1477.6							
	STD	00550	04.55	34.94	27.70		1478.1							
	OBS	00550	04.55	34.94	27.70		1478.1							
	STD	00565	04.50	34.94	27.71		1478.2							
	OBS	00565	04.50	34.94	27.71		1478.2							
	STD	00600	04.51	34.95	27.71	00.425	1478.8							
	OBS	00600	04.51	34.95	27.71		1478.8							
	STD	00650	04.50	34.96	27.72		1479.6							
	OBS	00650	04.50	34.96	27.72		1479.6							
	STD	00700	04.40	34.96	27.73	00.470	1480.0							
	OBS	00700	04.40	34.96	27.73		1480.0							
	STD	00760	04.14	34.93	27.74		1479.9							
	OBS	00760	04.14	34.93	27.74		1479.9							
	STD	00800	04.21	34.95	27.75	00.515	1480.9							
	OBS	00800	04.21	34.95	27.75		1480.9							
	STD	00820	04.20	34.96	27.75		1481.2							
	OBS	00820	04.20	34.96	27.75		1481.2							
	STD	00840	04.25	34.97	27.75		1481.9							
	OBS	00840	04.25	34.97	27.75		1481.9							
	STD	00900	04.18	34.96	27.76	00.559	1482.4							
	OBS	00900	04.18	34.96	27.76		1482.4							
	STD	00960	04.04	34.95	27.76		1482.8							
	OBS	00960	04.04	34.95	27.76		1482.8							
	STD	00970	03.94	34.94	27.76		1482.7							
	OBS	00970	03.94	34.94	27.76		1482.7							
	STD	00980	04.02	34.95	27.77		1483.1							
	OBS	00980	04.02	34.95	27.77		1483.1							
	STD	00990	03.95	34.93	27.76		1482.9							
	OBS	00990	03.95	34.93	27.76		1482.9							
	STD	01000	03.58	34.94	27.76	00.603	1483.2							
	OBS	01000	03.58	34.94	27.76		1483.2							
	STD	01020	03.86	34.92	27.76		1483.0							
	OBS	01020	03.86	34.92	27.76		1483.0							
	STD	01100	03.79	34.92	27.77	00.647	1484.1							
	OBS	01100	03.79	34.92	27.77		1484.1							
	STD	01160	03.75	34.92	27.77		1484.9							
	OBS	01160	03.75	34.92	27.77		1484.9							
	STD	01180	03.71	34.91	27.77		1485.1							
	OBS	01180	03.71	34.91	27.77		1485.1							
	STD	01200	03.72	34.92	27.77	00.691	1485.5							
	OBS	01200	03.72	34.92	27.77		1485.5							
	STD	01270	03.73	34.93	27.78		1486.7							
	OBS	01270	03.73	34.93	27.78		1486.7							
	STD	01280	03.75	34.94	27.78		1487.1							
	OBS	01280	03.75	34.94	27.78		1487.1							
	STD	01300	03.77	34.94	27.78	00.735	1487.4							
	OBS	01300	03.77	34.94	27.78		1487.4							
	STD	01400	03.77	34.94	27.78	00.780	1489.1							
	OBS	01400	03.77	34.94	27.78		1489.1							
	STD	01430	03.77	34.94	27.78		1489.6							
	OBS	01430	03.77	34										

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MODEC STATION DATA														
REFID 31 0458	YEAR 1975	BOTOP 03178	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEM LG 1306							
CONSEC 0013	MONTH 09	SHIP E1	WET BULB 16.9	08 6 4	WIND-SPD 15	TRACE DIR	5 SQUARE 2							
LAT 44 28.0N	DAY 03	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 20.5W	HOUR 04.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	ORIG A3 06413	1 SQUARE 48							
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PO4	TGT P	NO2	NO3	SIO3	PH
04.5	STD	00000	15.21	33.74	24.98	00.000	1506.5							
	OBS	00000	15.21	33.74	24.98		1506.5							
	STD	00010	15.11	33.74	25.00	00.030	1506.4							
	OBS	00010	15.11	33.74	25.00		1506.4							
	STD	00020	06.81	33.64	26.40	00.053	1476.8							
	OBS	00020	06.81	33.64	26.40		1476.8							
	STD	00030	02.81	33.49	26.72	00.068	1460.2							
	OBS	00030	02.81	33.49	26.72		1460.2							
	OBS	00040	01.66	33.42	26.75		1455.3							
	STD	00050	05.21	34.14	26.99	00.092	1471.4							
	OBS	00050	05.21	34.14	26.99		1471.4							
	OBS	00060	06.32	34.39	27.05		1476.5							
	STD	00075	05.36	34.34	27.13	00.117	1472.8							
	OBS	00075	05.36	34.34	27.13		1472.8							
	OBS	00076	05.11	34.32	27.15		1471.9							
	OBS	00093	05.97	34.58	27.25		1475.5							
	OBS	00097	05.55	34.50	27.24		1474.2							
	STD	00100	05.72	34.54	27.25	00.140	1475.0							
	OBS	00100	05.72	34.54	27.25		1475.0							
	OBS	00110	06.56	34.71	27.27		1478.7							
	OBS	00121	05.20	34.52	27.29		1473.2							
	STD	00125	05.12	34.55	27.36	00.160	1473.0							
	OBS	00125	05.12	34.59	27.36		1473.0							
	OBS	00130	04.98	34.57	27.36		1472.5							
	OBS	00148	06.25	34.84	27.41		1478.3							
	STD	00150	06.04	34.78	27.39	00.178	1477.4							
	OBS	00150	06.04	34.78	27.39		1477.4							
	OBS	00159	06.58	34.53	27.44		1475.9							
	STD	00200	03.85	34.60	27.51	00.211	1469.0							
	OBS	00200	03.85	34.60	27.51		1469.0							
	OBS	00204	03.76	34.58	27.50		1468.6							
	OBS	00230	05.53	34.50	27.55		1476.8							
	OBS	00244	05.06	34.83	27.55		1475.0							
	STD	00250	05.20	34.87	27.57	00.240	1475.8							
	OBS	00250	05.20	34.87	27.57		1475.8							
	OBS	00290	04.49	34.80	27.60		1473.4							
	STD	00300	04.50	34.81	27.60	00.267	1473.6							
	OBS	00300	04.50	34.81	27.60		1473.6							
	OBS	00308	04.50	34.83	27.62		1473.8							
	OBS	00341	05.01	34.91	27.62		1476.5							
	OBS	00370	04.03	34.81	27.65		1472.8							
	OBS	00385	04.01	34.81	27.66		1473.0							
	OBS	00391	04.09	34.83	27.66		1473.4							
	STD	00400	04.06	34.85	27.68	00.317	1473.5							
	OBS	00400	04.06	34.85	27.68		1473.5							
	OBS	00450	04.56	34.93	27.69		1476.5							
	OBS	00465	04.48	34.93	27.70		1476.4							
	OBS	00470	04.59	34.96	27.71		1477.0							
	OBS	00480	04.56	34.94	27.70		1477.0							
	OBS	00458	04.60	34.96	27.71		1477.5							
	STD	00500	04.56	34.95	27.71	00.362	1477.4							
	OBS	00500	04.56	34.95	27.71		1477.4							
	OBS	00510	04.59	34.96	27.71		1477.7							
	OBS	00520	04.50	34.95	27.71		1477.5							
	OBS	00550	04.51	34.95	27.71		1478.0							
	STD	00600	04.36	34.95	27.73	00.407	1478.2							
	OBS	00600	04.36	34.95	27.73		1478.2							
	OBS	00645	04.31	34.94	27.73		1478.7							
	OBS	00655	04.37	34.95	27.73		1479.1							
	STD	00700	04.10	34.93	27.74	00.450	1478.7							
	OBS	00700	04.10	34.93	27.74		1478.7							
	OBS	00710	04.17	34.95	27.75		1479.2							
	OBS	00730	04.15	34.94	27.74		1479.5							
	OBS	00740	04.25	34.96	27.75		1480.1							
	OBS	00790	04.00	34.93	27.75		1479.8							
	STD	00800	04.00	34.93	27.75	00.494	1480.0							
	OBS	00800	04.00	34.93	27.75		1480.0							
	OBS	00803	04.06	34.95	27.76		1480.3							
	OBS	00830	04.09	34.95	27.76		1480.7							
	OBS	00850	04.01	34.94	27.76		1480.9							
	OBS	00846	04.01	34.93	27.75		1481.2							
	OBS	00885	03.83	34.92	27.76		1480.7							
	STD	00900	03.89	34.93	27.76	00.537	1481.2							
	OBS	00900	03.89	34.93	27.76		1481.2							
	OBS	00970	03.56	34.88	27.76		1480.9							
	OBS	00988	03.58	34.89	27.76		1481.3							
	OBS	00991	03.66	34.91	27.77		1481.7							
	STD	01000	03.66	34.90	27.76	00.580	1481.8							
	OBS	01000	03.66	34.90	27.76		1481.8							
	OBS	01080	03.44	34.87	27.76		1482.2							
	STD	01100	03.43	34.87	27.76	00.623	1482.5							
	OBS	01100	03.43	34.87	27.76		1482.5							
	STD	01200	03.44	34.88	27.77	00.667	1484.2							
	OBS	01200	03.44	34.88	27.77		1484.2							
	STD	01300	03.44	34.89	27.78	00.710	1485.9							
	OBS	01300	03.44	34.89	27.78		1485.9							
	OBS	01350	03.49	34.89	27.77		1487.0							
	OBS	01383	03.49	34.89	27.77		1487.6							
	STD	01400	03.48	34.90	27.78	00.754	1487.8							
	OBS	01400	03.48	34.90	27.78		1487.8							
OBS	01490	03.52	34.91	27.79		1489.5								

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NCDC STATION DATA														
REFID 31 0458	YEAR 1975	80TOP 02277	AIR TEMP 14.3	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1304							
CONSEC 0014	MONTH 09	SHIP E1	MET SULB 13.5	08 7 4	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2							
LA* 44 30.5N	DAY 03	DATA USE 1	BAROMETER 1018.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48							
LONG 049 36.0W	HOOR 04.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A3 06414	1 SQUARE 48							
CASIMJH/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SHD VEL	DRYG	PO4	TCT P	MO2	MO3	SIO3	PH
04.8	STD	00000	12.24	31.86	24.13	00.000	1494.4							
	OBS	00000	12.24	31.86	24.13		1494.4							
	STD	00010	09.62	32.46	25.05	00.034	1485.5							
	OBS	00010	09.62	32.46	25.05		1485.5							
	STD	00020	05.62	32.64	25.76	00.056	1470.7							
	OBS	00020	05.62	32.64	25.76		1470.7							
	STD	00030	03.05	32.94	26.26	00.075	1460.5							
	OBS	00030	03.05	32.94	26.26		1460.5							
	OBS	00038	03.45	33.84	26.94		1463.6							
	OBS	00045	02.63	34.17	27.28		1460.6							
	STD	00050	02.81	34.22	27.30	00.105	1461.6							
	OBS	00050	02.81	34.22	27.30		1461.6							
	OBS	00058	02.60	34.25	27.34		1460.8							
	STD	00075	02.19	34.37	27.47	00.123	1459.5							
	OBS	00075	02.19	34.37	27.47		1459.5							
	OBS	00090	02.27	34.46	27.54		1460.2							
	STD	00100	02.44	34.51	27.57	00.137	1461.2							
	OBS	00100	02.44	34.51	27.57		1461.2							
	OBS	00115	02.80	34.54	27.56		1463.0							
	STD	00125	03.75	34.64	27.55	00.151	1467.4							
	OBS	00125	03.75	34.64	27.55		1467.4							
	OBS	00142	03.55	34.72	27.56		1468.6							
	STD	00150	03.90	34.71	27.59	00.164	1468.5							
	OBS	00150	03.90	34.71	27.59		1468.5							
	OBS	00160	03.82	34.70	27.59		1468.3							
	OBS	00175	03.25	34.64	27.60		1466.1							
	OBS	00190	03.57	34.76	27.66		1467.8							
	STD	00200	04.16	34.84	27.66	00.189	1470.7							
	OBS	00200	04.19	34.84	27.66		1470.7							
	OBS	00224	04.64	34.85	27.65		1473.1							
	STD	00250	04.47	34.87	27.65	00.212	1472.8							
	OBS	00250	04.47	34.87	27.65		1472.8							
	OBS	00259	04.58	34.90	27.67		1473.4							
	OBS	00278	04.46	34.85	27.67		1473.2							
	STD	00300	04.48	34.89	27.67	00.234	1473.7							
	OBS	00300	04.48	34.89	27.67		1473.7							
	OBS	00310	04.45	34.90	27.68		1473.5							
	OBS	00318	04.31	34.88	27.68		1473.2							
	OBS	00330	04.41	34.91	27.69		1473.9							
	OBS	00333	04.56	34.93	27.69		1474.6							
	OBS	00360	04.76	34.98	27.71		1475.9							
	OBS	00380	04.81	35.00	27.72		1476.5							
	OBS	00390	05.04	35.03	27.72		1477.6							
	STD	00400	04.96	35.01	27.71	00.261	1477.5							
	OBS	00400	04.96	35.01	27.71		1477.5							
	OBS	00440	04.53	34.96	27.72		1476.6							
	STD	00500	04.44	34.96	27.73	00.325	1476.9							
	OBS	00500	04.44	34.96	27.73		1476.6							
	OBS	00570	04.29	34.95	27.74		1477.4							
	OBS	00588	04.33	34.96	27.74		1477.9							
	STD	00600	04.29	34.96	27.74	00.368	1477.9							
	OBS	00600	04.25	34.94	27.74		1477.9							
	STD	00700	04.14	34.95	27.75	00.410	1478.9							
	OBS	00700	04.14	34.95	27.75		1478.9							
	OBS	00730	04.13	34.95	27.75		1479.4							
	OBS	00740	04.08	34.94	27.75		1479.3							
	OBS	00770	04.12	34.95	27.76		1480.0							
	STD	00800	04.02	34.95	27.77	00.452	1480.1							
	OBS	00800	04.02	34.95	27.77		1480.1							
	OBS	00840	03.87	34.93	27.77		1480.1							
	STD	00900	03.86	34.93	27.77	00.494	1481.1							
	OBS	00900	03.86	34.93	27.77		1481.1							
	STD	01000	03.78	34.92	27.77	00.537	1482.4							
	OBS	01000	03.78	34.92	27.77		1482.4							
	OBS	01060	03.63	34.90	27.77		1482.7							
	STD	01100	03.58	34.90	27.77	00.580	1483.2							
	OBS	01100	03.58	34.90	27.77		1483.2							
	OBS	01180	03.56	34.90	27.77		1484.4							
	STD	01200	03.53	34.90	27.78	00.624	1484.6							
	OBS	01200	03.53	34.90	27.78		1484.6							
	OBS	01258	03.51	34.90	27.78		1485.5							
	OBS	01270	03.54	34.91	27.78		1485.9							
	STD	01300	03.54	34.91	27.78	00.667	1486.4							
	OBS	01300	03.54	34.91	27.78		1486.4							
	STD	01400	03.52	34.91	27.79	00.711	1488.0							
	OBS	01400	03.52	34.91	27.79		1488.0							
	OBS	01430	03.51	34.91	27.79		1488.8							
	STD	01500	03.50	34.91	27.79	00.755	1489.6							
	OBS	01500	03.50	34.91	27.79		1489.6							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

*SFID 31 0450 YEAR 1975 BOTDP 00022 AIR TEMP 13.9 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SO 1306
 COMSEC 0015 MONTH 09 SHIP E1 WET BULB 12.2 66 1 5 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2
 LAT 44 35.5N DAY 03 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
 LONG 048 53.0W HOUR 10.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRIG A3 00412 1 SQUARE 48

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	QXVC	PD4	TOT P	NO2	NO3	SI03	PH
10.5	STD	00000	08.34	32.24	25.08	00.000	1480.6							
	OBS	00000	08.34	32.24	25.08		1480.6							
	STD	00010	00.38	32.60	26.17	00.024	1447.9							
	OBS	00010	00.38	32.60	26.17		1447.9							
	STD	00020	- 0.88	32.90	26.47	00.041	1442.6							
	OBS	00020	- 0.88	32.90	26.47		1442.6							
	STD	00030	- 1.07	33.11	26.65	00.056	1442.2							
	OBS	00030	- 1.07	33.11	26.65		1442.2							
	STD	00035	- 1.19	33.24	26.75		1441.5							
	OBS	00035	- 1.19	33.24	26.75		1441.5							
	STD	00050	- 1.00	33.42	26.89	00.081	1443.3							
	OBS	00050	- 1.00	33.42	26.89		1443.3							
	STD	00075	- 0.84	33.51	26.96	00.110	1444.6							
	OBS	00075	- 0.84	33.51	26.96		1444.6							
	STD	00100	- 0.75	33.56	27.00	00.137	1445.5							
	OBS	00100	- 0.75	33.56	27.00		1445.5							
	STD	00110	- 0.67	33.55	27.02		1446.1							
	OBS	00110	- 0.67	33.55	27.02		1446.1							
	STD	00125	- 0.67	33.60	27.03	00.163	1446.3							
	OBS	00125	- 0.67	33.60	27.03		1446.3							
	STD	00143	- 0.64	33.62	27.04		1446.8							
	OBS	00143	- 0.64	33.62	27.04		1446.8							
	STD	00150	- 0.49	33.65	27.06	00.188	1447.6							
	OBS	00150	- 0.49	33.65	27.06		1447.6							
	STD	00165	- 0.45	33.69	27.09		1448.1							
	OBS	00165	- 0.45	33.69	27.09		1448.1							
	STD	00180	- 0.47	33.70	27.10		1448.3							
	OBS	00180	- 0.47	33.70	27.10		1448.3							
	STD	00188	- 0.37	33.72	27.11		1448.9							
	OBS	00188	- 0.37	33.72	27.11		1448.9							
	STD	00195	- 0.34	33.73	27.12		1449.2							
	OBS	00195	- 0.34	33.73	27.12		1449.2							
	STD	00200	- 0.36	33.73	27.12	00.237	1449.2							
	OBS	00200	- 0.36	33.73	27.12		1449.2							
	STD	00228	- 0.30	33.77	27.15		1450.0							
	OBS	00228	- 0.30	33.77	27.15		1450.0							
	STD	00250	- 0.12	33.81	27.17	00.283	1451.2							
	OBS	00250	- 0.12	33.81	27.17		1451.2							
	STD	00280	00.17	34.07	27.37		1453.4							
	OBS	00280	00.17	34.07	27.37		1453.4							
	STD	00300	01.52	34.36	27.52	00.320	1460.2							
	OBS	00300	01.52	34.36	27.52		1460.2							
	STD	00305	01.81	34.40	27.53		1461.6							
	OBS	00305	01.81	34.40	27.53		1461.6							
	STD	00325	01.99	34.47	27.57		1462.8							
	OBS	00325	01.99	34.47	27.57		1462.8							
	STD	00330	02.10	34.47	27.56		1463.4							
	OBS	00330	02.10	34.47	27.56		1463.4							
	STD	00350	02.12	34.48	27.57		1463.8							
	OBS	00350	02.12	34.48	27.57		1463.8							
	STD	00400	02.44	34.57	27.61	00.375	1466.2							
	OBS	00400	02.44	34.57	27.61		1466.2							
	STD	00430	02.59	34.62	27.64		1467.4							
	OBS	00430	02.59	34.62	27.64		1467.4							
	STD	00446	02.65	34.65	27.66		1468.2							
	OBS	00446	02.65	34.65	27.66		1468.2							

*SFID 31 0450 YEAR 1975 BOTDP 00058 AIR TEMP 12.8 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SO 1306
 COMSEC 0016 MONTH 09 SHIP E1 WET BULB 11.7 21 2 2 WIND-SPD 02 TRACE DIR 0 5 SQUARE 2
 LAT 44 38.0N DAY 03 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.0 2 SQUARE 48
 LONG 045 06.0W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X0 DRIG A3 00416 1 SQUARE 48

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SHD VEL	QXVC	PD4	TOT P	NO2	NO3	SI03	PH
11.8	STD	00000	10.42	31.75	24.37	00.000	1487.8							
	OBS	00000	10.42	31.75	24.37		1487.8							
	STD	00010	- 0.58	33.02	26.56	00.025	1444.0							
	OBS	00010	- 0.58	33.02	26.56		1444.0							
	STD	00020	- 0.74	33.06	26.59	00.040	1443.5							
	OBS	00020	- 0.74	33.06	26.59		1443.5							
	STD	00030	- 0.75	33.07	26.60	00.054	1443.6							
	OBS	00030	- 0.75	33.07	26.60		1443.6							
	STD	00050	- 0.77	33.08	26.61	00.083	1443.9							
	OBS	00050	- 0.77	33.08	26.61		1443.9							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8456 YEAR 1975 BOTDP 00070 AIR TEMP 18.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1307
 CONSEC 0001 MONTH 09 SHIP E1 WET BULB 17.2 12 5 4 WIND-SPD 02 TRACE DIR 0 5 SQUARE 1
 LAT 43 10.0N DAY 03 DATA USE 1 BAROMETER 1020.5 SEA WIND-FOR DURATION 00.0 2 SQUARE 20
 LONG 050 21.0W HOUR 10.9 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A4 03201 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.9	STD	00000	15.09	32.35	23.93	00.000	1504.4							
	OBS	00000	15.09	32.35	23.93		1504.4							
	STD	00010	07.55	32.65	25.52	00.032	1478.3							
	OBS	00010	07.55	32.65	25.52		1478.3							
	STD	00020	01.40	32.98	26.42	00.053	1453.2							
	OBS	00020	01.40	32.98	26.42		1453.2							
	STD	00030	00.36	33.05	26.34	00.068	1448.7							
	OBS	00030	00.36	33.05	26.34		1448.7							
	OBS	00040	00.22	33.11	26.59		1448.3							
	STD	00050	00.17	33.11	26.60	00.098	1448.3							
	OBS	00050	00.17	33.11	26.60		1448.3							
	OBS	00052	00.15	33.13	26.61		1448.2							

REFID 31 8456 YEAR 1975 BOTDP 00084 AIR TEMP 18.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1307
 CONSEC 0002 MONTH 09 SHIP E1 WET BULB 17.2 05 5 4 WIND-SPD 02 TRACE DIR 0 5 SQUARE 1
 LAT 43 00.0N DAY 03 DATA USE 1 BAROMETER 1020.5 SEA WIND-FOR DURATION 00.0 2 SQUARE 20
 LONG 050 21.5W HOUR 21.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A4 03202 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.4	STD	00000	14.77	32.42	24.06	00.000	1503.5							
	OBS	00000	14.77	32.42	24.06		1503.5							
	STD	00010	06.80	32.61	25.59	00.031	1475.3							
	OBS	00010	06.80	32.61	25.59		1475.3							
	STD	00020	04.05	32.75	26.02	00.053	1464.4							
	OBS	00020	04.05	32.75	26.02		1464.4							
	STD	00030	00.55	32.90	26.41	00.072	1449.4							
	OBS	00030	00.55	32.90	26.41		1449.4							
	OBS	00040	- 0.26	33.00	26.53		1446.0							
	STD	00050	- 0.46	33.16	26.66	00.102	1445.4							
	OBS	00050	- 0.46	33.16	26.66		1445.4							
	OBS	00055	- 0.69	33.23	26.73		1444.6							
	OBS	00060	- 0.69	33.23	26.73		1444.6							
	OBS	00065	- 0.69	33.23	26.73		1444.7							

REFID 31 8456 YEAR 1975 BOTDP 00226 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1307
 CONSEC 0003 MONTH 09 SHIP E1 WET BULB 17.2 18 6 7 WIND-SPD 03 TRACE DIR 0 5 SQUARE 1
 LAT 42 50.0N DAY 03 DATA USE 1 BAROMETER 1020.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 20
 LONG 050 18.0W HOUR 22.9 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A4 03203 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.6	STD	00000	16.47	32.88	24.03	00.000	1509.4							
	OBS	00000	16.47	32.88	24.03		1509.4							
	STD	00010	11.34	33.04	25.21	00.033	1452.9							
	OBS	00010	11.34	33.04	25.21		1452.9							
	STD	00020	01.04	33.07	26.52	00.055	1451.7							
	OBS	00020	01.04	33.07	26.52		1451.7							
	STD	00030	00.30	33.22	26.68	00.069	1448.7							
	OBS	00030	00.30	33.22	26.68		1448.7							
	OBS	00045	- 0.64	33.30	26.78		1444.7							
	STD	00050	- 0.56	33.33	26.81	00.095	1445.2							
	OBS	00050	- 0.56	33.33	26.81		1445.2							
	OBS	00051	- 0.48	33.41	26.87		1445.7							
	OBS	00054	- 0.64	33.38	26.85		1445.0							
	OBS	00060	- 0.48	33.46	26.91		1445.9							
	OBS	00062	- 0.76	33.43	26.89		1444.6							
	STD	00075	- 0.74	33.49	26.94	00.125	1445.0							
	OBS	00075	- 0.74	33.49	26.94		1445.0							
	STD	00100	- 0.28	33.70	27.09	00.151	1447.8							
	OBS	00100	- 0.28	33.70	27.09		1447.8							
	STD	00125	00.07	33.82	27.17	00.175	1450.0							
	OBS	00125	00.07	33.82	27.17		1450.0							
	OBS	00140	02.84	34.08	27.19		1463.0							
	STD	00150	01.74	33.95	27.17	00.167	1458.1							
	OBS	00150	01.74	33.95	27.17		1458.1							
	OBS	00160	01.86	34.08	27.27		1459.0							
	OBS	00175	01.10	34.04	27.29		1455.8							
	OBS	00185	01.61	34.13	27.34		1458.4							
	OBS	00190	01.51	34.12	27.33		1458.0							
	OBS	00195	01.59	34.19	27.38		1458.6							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 0455 YEAR 1975 BOTDP 01422 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SO 1307
 CONSEC 0004 MONTH 09 SHIP E1 MET BULB 17.2 18 4 6 WIND-SPD 02 TRACE DIR 0 5 SQUARE 1
 LA* 42 40.5N DAY 04 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.2 2 SQUARE 20
 LONG 050 19.5W HOUR 00.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A4 03204 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
00.5	STD	00000	16.30	32.68	23.92	00.000	1508.6							
	OBS	00000	16.30	32.68	23.92		1508.6							
	STD	00010	10.02	32.57	25.07	00.034	1487.5							
	OBS	00010	10.02	32.57	25.07		1487.5							
	STD	00020	06.67	32.59	25.59	00.061	1474.9							
	OBS	00020	06.67	32.59	25.59		1474.9							
	STD	00030	03.91	33.03	26.25	00.082	1464.3							
	OBS	00030	03.91	33.03	26.25		1464.3							
	STD	00050	02.22	33.46	26.74	00.113	1457.9							
	OBS	00050	02.22	33.46	26.74		1457.9							
	STD	00061	01.07	33.42	26.76		1453.0							
	OBS	00061	01.07	33.42	26.76		1453.0							
	STD	00075	01.26	33.76	27.05	00.142	1454.5							
	OBS	00075	01.26	33.76	27.05		1454.5							
	STD	00100	01.42	33.82	27.09	00.167	1455.7							
	OBS	00100	01.42	33.82	27.09		1455.7							
	STD	00115	01.56	33.57	27.20		1456.8							
	OBS	00115	01.56	33.57	27.20		1456.8							
	STD	00125	01.86	34.08	27.27	00.189	1458.4							
	OBS	00125	01.86	34.08	27.27		1458.4							
	STD	00130	02.15	34.11	27.27		1459.8							
	OBS	00130	02.15	34.11	27.27		1459.8							
	STD	00150	02.27	34.16	27.30	00.210	1460.8							
	OBS	00150	02.27	34.16	27.30		1460.8							
	STD	00165	02.73	34.26	27.34		1463.1							
	OBS	00165	02.73	34.26	27.34		1463.1							
	STD	00200	01.48	34.20	27.35	00.247	1458.2							
	OBS	00200	01.48	34.20	27.35		1458.2							
	STD	00250	01.80	34.34	27.48	00.280	1460.6							
	OBS	00250	01.80	34.34	27.48		1460.6							
	STD	00285	01.97	34.41	27.52		1462.0							
	OBS	00285	01.97	34.41	27.52		1462.0							
	STD	00300	02.20	34.44	27.53	00.310	1463.3							
	OBS	00300	02.20	34.44	27.53		1463.3							
	STD	00310	02.20	34.45	27.54		1463.5							
	OBS	00310	02.20	34.45	27.54		1463.5							
	STD	00320	02.17	34.45	27.54		1463.5							
	OBS	00320	02.17	34.45	27.54		1463.5							
	STD	00345	02.39	34.52	27.58		1465.0							
	OBS	00345	02.39	34.52	27.58		1465.0							
	STD	00360	02.39	34.55	27.60		1465.3							
	OBS	00360	02.39	34.55	27.60		1465.3							
	STD	00390	02.93	34.63	27.62		1468.2							
	OBS	00390	02.93	34.63	27.62		1468.2							
	STD	00400	02.83	34.66	27.65	00.363	1468.0							
	OBS	00400	02.83	34.66	27.65		1468.0							
	STD	00420	02.83	34.66	27.65		1468.3							
	OBS	00420	02.83	34.66	27.65		1468.3							
	STD	00430	02.89	34.67	27.65		1468.8							
	OBS	00430	02.89	34.67	27.65		1468.8							
	STD	00440	02.85	34.68	27.67		1468.8							
	OBS	00440	02.85	34.68	27.67		1468.8							
	STD	00500	03.08	34.74	27.69	00.405	1470.8							
	OBS	00500	03.08	34.74	27.69		1470.8							
	STD	00600	03.24	34.78	27.71	00.454	1473.2							
	OBS	00600	03.24	34.78	27.71		1473.2							
	STD	00660	03.37	34.80	27.71		1474.8							
	OBS	00660	03.37	34.80	27.71		1474.8							
	STD	00700	03.27	34.75	27.71	00.458	1475.0							
	OBS	00700	03.27	34.75	27.71		1475.0							
	STD	00770	03.32	34.82	27.73		1476.5							
	OBS	00770	03.32	34.82	27.73		1476.5							
	STD	00800	03.35	34.82	27.73	00.542	1477.1							
	OBS	00800	03.35	34.82	27.73		1477.1							
	STD	00900	03.35	34.84	27.75	00.586	1478.8							
	OBS	00900	03.35	34.84	27.75		1478.8							
	STD	01000	03.35	34.84	27.75	00.629	1480.4							
	OBS	01000	03.35	34.84	27.75		1480.4							
	STD	01100	03.35	34.85	27.75	00.673	1482.1							
	OBS	01100	03.35	34.85	27.75		1482.1							
	STD	01200	03.35	34.85	27.75	00.718	1483.8							
	OBS	01200	03.35	34.85	27.75		1483.8							
	STD	01300	03.38	34.86	27.76	00.763	1485.6							
	OBS	01300	03.38	34.86	27.76		1485.6							
	STD	01370	03.38	34.87	27.77		1486.8							
	OBS	01370	03.38	34.87	27.77		1486.8							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NDDC STATION DATA														
REFID 31 0459	YEAR 1975	BOTCP 02165	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SG 1307							
CONSEC 0005	MONTH 08	SHIP E1	WET BULB 17.2	18 6 6	WIND-SPD 03	TRACE DIR	5 SQUARE 1							
LA" 42 29.0M	DAY 04	DATA USE 1	BAROMETER 1020.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20							
LONG 050 19.0M	HOHR 02.4	AREA 05	CLCUD T/A	CL/TB	WEATHER X0	ORIG A4 03205	1 SQUARE 20							
CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORVC	PGA	TOT P	NO2	NO3	SIG3	PH
02.4	STD	00000	18.92	33.73	24.09	00.000	1517.6							
	OBS	00000	18.92	33.73	24.09		1517.6							
	OBS	00007	19.23	33.87	24.12		1518.8							
	STD	00010	18.84	33.85	24.20	00.038	1517.7							
	OBS	00010	18.84	33.85	24.20		1517.7							
	OBS	00011	19.24	34.13	24.32		1519.2							
	OBS	00012	18.46	34.29	24.63		1517.2							
	STD	00020	19.30	34.64	24.64	00.073	1520.7							
	OBS	00020	19.30	34.64	24.64		1520.7							
	STD	00030	10.30	33.89	26.02	00.100	1491.3							
	OBS	00030	10.30	33.89	26.02		1491.3							
	STD	00050	12.67	35.33	26.73	00.133	1501.0							
	OBS	00050	12.67	35.33	26.73		1501.0							
	OBS	00055	13.20	35.48	26.74		1503.0							
	OBS	00060	13.03	35.44	26.75		1502.5							
	OBS	00070	13.55	35.64	26.79		1504.6							
	STD	00075	13.34	35.58	26.79	00.166	1504.0							
	OBS	00075	13.34	35.58	26.79		1504.0							
	STD	00100	12.97	35.52	26.82	00.198	1503.1							
	OBS	00100	12.97	35.52	26.82		1503.1							
	OBS	00115	11.76	35.32	26.90		1498.9							
	OBS	00121	12.10	35.40	26.90		1500.3							
	STD	00125	12.00	35.39	26.91	00.228	1500.0							
	OBS	00125	12.00	35.39	26.91		1500.0							
	OBS	00145	11.32	35.25	26.93		1497.8							
	STD	00150	11.51	35.36	26.98	00.257	1498.7							
	OBS	00150	11.51	35.36	26.98		1498.7							
	OBS	00157	11.37	35.32	26.98		1498.3							
	OBS	00160	11.45	35.35	26.98		1498.6							
	STD	00200	08.25	34.64	26.97	00.313	1486.7							
	OBS	00200	08.25	34.64	26.97		1486.7							
	OBS	00211	06.76	34.55	27.12		1481.0							
	OBS	00242	08.09	34.87	27.18		1487.1							
	OBS	00248	07.51	34.83	27.17		1486.4							
	STD	00250	08.00	34.84	27.17	00.365	1486.8							
	OBS	00250	08.00	34.84	27.17		1486.8							
	OBS	00270	06.57	34.62	27.20		1481.3							
	OBS	00252	08.80	35.09	27.24		1490.5							
	STD	00300	08.33	35.00	27.24	00.412	1485.1							
	OBS	00300	08.33	35.00	27.24		1489.1							
	OBS	00310	07.61	34.90	27.27		1486.4							
	OBS	00320	08.09	35.05	27.32		1488.6							
	OBS	00348	06.64	34.84	27.36		1483.1							
	OBS	00351	06.89	34.94	27.41		1484.3							
	OBS	00361	06.83	34.52	27.40		1481.1							
	OBS	00369	06.88	34.95	27.42		1484.6							
	STD	00400	03.60	34.48	27.44	00.491	1471.1							
	OBS	00400	03.60	34.48	27.44		1471.1							
	OBS	00421	02.78	34.41	27.46		1467.8							
	OBS	00430	03.72	34.56	27.49		1472.2							
	OBS	00441	03.27	34.52	27.50		1470.4							
	OBS	00450	04.01	34.66	27.54		1473.9							
	OBS	00459	03.78	34.62	27.53		1473.0							
	OBS	00461	03.82	34.64	27.54		1473.2							
	OBS	00470	03.75	34.63	27.54		1473.0							
	OBS	00475	03.82	34.64	27.54		1473.4							
	OBS	00480	03.46	34.62	27.56		1472.1							
	STD	00500	03.57	34.68	27.60	00.552	1472.8							
	OBS	00500	03.57	34.68	27.60		1472.8							
	OBS	00510	03.82	34.72	27.60		1474.1							
	OBS	00530	03.51	34.79	27.65		1476.9							
	OBS	00550	04.84	34.54	27.67		1476.3							
	OBS	00590	04.09	34.84	27.67		1476.7							
	STD	00600	04.08	34.84	27.67	00.604	1476.9							
	OBS	00600	04.08	34.84	27.67		1476.5							
	OBS	00615	04.15	34.86	27.68		1477.4							
	OBS	00635	04.52	34.53	27.70		1479.4							
	OBS	00640	04.42	34.90	27.68		1479.0							
	OBS	00680	05.12	35.04	27.71		1482.8							
	STD	00700	05.14	35.04	27.71	00.652	1483.2							
	OBS	00700	05.14	35.04	27.71		1483.2							
	STD	00800	04.88	35.02	27.73	00.700	1483.6							
	OBS	00800	04.88	35.02	27.73		1483.8							
	OBS	00870	04.06	34.91	27.73		1481.4							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA														
CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SWNDPTH	SWD VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
085	00990	04.04	34.91	27.73			1481.6							
STD	00990	04.13	34.94	27.75		00.746	1482.2							
085	00900	04.13	34.94	27.75			1482.2							
085	00920	04.20	34.95	27.75			1482.6							
085	00940	04.20	34.95	27.75			1483.2							
085	00970	04.24	34.98	27.76			1484.3							
STD	01000	04.27	34.99	27.76		00.791	1484.9							
085	01000	04.27	34.99	27.76			1484.9							
STD	01100	04.32	34.99	27.77		00.836	1486.4							
085	01100	04.32	34.99	27.77			1486.4							
085	01115	04.26	34.99	27.77			1486.4							
085	01160	04.28	34.99	27.77			1487.2							
STD	01200	04.23	34.98	27.77		00.882	1487.7							
085	01200	04.23	34.98	27.77			1487.7							
085	01215	04.09	34.96	27.77			1487.3							
085	01221	04.17	34.99	27.78			1487.8							
085	01250	04.17	34.98	27.77			1488.3							
085	01270	03.76	34.91	27.76			1486.8							
085	01300	03.88	34.94	27.77			1487.7							
STD	01300	03.67	34.90	27.76		00.928	1486.9							
085	01300	03.67	34.90	27.76			1486.9							
085	01310	03.67	34.90	27.76			1487.1							
085	01330	03.91	34.95	27.78			1488.5							
085	01390	03.62	34.90	27.77			1488.2							
STD	01400	03.75	34.93	27.78		00.974	1489.0							
085	01400	03.75	34.93	27.78			1489.0							
085	01415	03.88	34.95	27.78			1489.8							
085	01429	03.66	34.91	27.77			1489.0							
085	01450	03.68	34.92	27.78			1489.5							
085	01460	03.66	34.91	27.77			1489.6							
085	01480	03.70	34.92	27.78			1490.1							
085	01490	03.58	34.91	27.78			1489.7							

SC-000000000000

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOCC STATION DATA

REFID 31 0455 YEAR 1975 BOTDP 02559 AIR TEMP 18.3 DIR HGT PER WIND-DIR 18 INST STC RECORDER TEN SQ 1307
 CONSEC 0006 MONTH 05 SHIP E1 NET BULB 17.2 00 0 X WIND-SPD 01 TRACE DIA 0 5 SQUARE 1
 LAT 42 10.3N DAY 04 DATA USE 1 WARGREY 1018.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 20
 LONG 050 20.0W HOUR 05.0 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG A4 03206 1 SQUARE 20

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	END VEL	QXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.0	STD	00030	21.27	34.66	24.41	00.000	1525.5							
	OBS	00000	21.27	34.66	24.41		1525.5							
	STD	00010	21.66	35.24	24.51	00.035	1527.0							
	OBS	00010	21.66	35.24	24.51		1527.0							
	OBS	00011	21.80	35.34	24.55		1527.5							
	STD	00020	21.53	35.56	24.82	00.068	1527.2							
	OBS	00020	21.53	35.56	24.82		1527.2							
	STD	00030	18.66	35.65	25.62	00.095	1516.7							
	OBS	00030	18.66	35.65	25.62		1519.7							
	STD	00050	16.61	35.84	26.27	00.137	1514.2							
	OBS	00050	16.61	35.84	26.27		1514.2							
	OBS	00051	16.41	35.80	26.28		1513.6							
	OBS	00060	16.68	36.07	26.43		1514.9							
	STD	00075	15.80	35.95	26.54	00.178	1512.3							
	OBS	00075	15.80	35.95	26.54		1512.3							
	OBS	00081	15.50	35.91	26.58		1511.4							
	OBS	00089	15.65	35.98	26.60		1512.1							
	STD	00100	15.17	35.91	26.65	00.215	1510.7							
	OBS	00100	15.17	35.91	26.65		1510.7							
	STD	00125	14.55	35.77	26.68	00.251	1509.0							
	OBS	00125	14.55	35.77	26.68		1509.0							
	STD	00150	14.03	35.73	26.76	00.285	1507.6							
	OBS	00150	14.03	35.73	26.76		1507.6							
	STD	00200	13.24	35.66	26.87	00.345	1505.8							
	OBS	00200	13.24	35.66	26.87		1505.8							
	STD	00250	12.37	35.55	26.96	00.410	1503.5							
	OBS	00250	12.37	35.55	26.96		1503.5							
	OBS	00258	12.30	35.54	26.97		1503.4							
	OBS	00263	12.43	35.60	26.99		1504.0							
	STD	00300	11.63	35.44	27.02	00.467	1501.7							
	OBS	00300	11.63	35.44	27.02		1501.7							
	STD	00400	09.67	35.22	27.20	00.572	1496.0							
	OBS	00400	09.67	35.22	27.20		1496.0							
	STD	00500	07.91	35.08	27.37	00.660	1490.9							
	OBS	00500	07.91	35.08	27.37		1490.9							
	STD	00600	06.50	35.04	27.54	00.733	1487.0							
	OBS	00600	06.50	35.04	27.54		1487.0							
	OBS	00670	05.88	35.03	27.61		1485.7							
	OBS	00680	05.63	35.05	27.62		1486.1							
	STD	00700	05.78	35.05	27.64	00.793	1485.8							
	OBS	00700	05.78	35.05	27.64		1485.8							
	OBS	00725	05.67	35.04	27.65		1485.8							
	OBS	00735	05.45	35.01	27.65		1485.0							
	OBS	00750	05.41	35.00	27.65		1485.1							
	OBS	00755	05.28	35.00	27.66		1484.6							
	STD	00800	05.16	35.02	27.65	00.846	1484.9							
	OBS	00800	05.16	35.02	27.65		1484.9							
	OBS	00812	05.07	35.01	27.70		1484.7							
	OBS	00840	05.06	35.03	27.71		1485.2							
	OBS	00855	05.19	35.06	27.72		1486.0							
	OBS	00865	05.16	35.05	27.72		1486.0							
	OBS	00895	05.31	35.09	27.73		1487.2							
	STD	00900	05.26	35.08	27.73	00.896	1487.1							
	OBS	00900	05.26	35.08	27.73		1487.1							
	STD	01000	04.80	35.03	27.74	00.944	1486.8							
	OBS	01000	04.80	35.03	27.74		1486.8							
	OBS	01045	04.61	35.01	27.75		1486.7							
	OBS	01060	04.65	35.02	27.75		1487.1							
	STD	01100	04.44	35.00	27.76	00.991	1486.9							
	OBS	01100	04.44	35.00	27.76		1486.9							
	OBS	01150	04.37	35.00	27.77		1487.5							
	STD	01200	04.21	34.98	27.77	01.038	1487.6							
	OBS	01200	04.21	34.98	27.77		1487.6							
	STD	01300	04.08	34.97	27.78	01.083	1488.7							
	OBS	01300	04.08	34.97	27.78		1488.7							
	OBS	01320	04.02	34.96	27.77		1488.8							
	OBS	01370	04.02	34.97	27.78		1489.6							
	OBS	01390	04.05	34.98	27.79		1490.1							
	STD	01400	04.16	35.00	27.79	01.125	1490.8							
	OBS	01400	04.16	35.00	27.79		1490.8							
	OBS	01410	04.11	34.99	27.79		1490.7							
	OBS	01440	04.13	35.00	27.79		1491.3							
	STD	01500	04.01	34.99	27.80	01.175	1491.8							
	OBS	01500	04.01	34.99	27.80		1491.8							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 0459	YEAR 1975	BOTOP 03484	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307							
CONSEC 0007	MONTH 09	SHIP E1	WET BULB 17.2	17 3 7	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1							
LAT 41 52.0N	DAY 04	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 00							
LONG 050 16.5W	MOOR 07.9	AREA 05	CLCUD T/A	CL/TR	WEATHER X0	ORIG A4 03207	1 SQUARE 10							
CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.9	STD	00000	24.59	35.84	24.14	00.000	1534.8							
	OBS	00000	24.59	35.84	24.14		1534.8							
	STD	00010	24.59	35.87	24.14	00.038	1535.0							
	OBS	00010	24.59	35.87	24.14		1535.0							
	STD	00020	24.32	35.84	24.20	00.076	1534.5							
	OBS	00020	24.32	35.84	24.20		1534.5							
	OBS	00021	24.18	35.80	24.21		1534.1							
	OBS	00023	24.45	36.31	24.52		1535.4							
	STD	00030	23.99	36.35	24.69	00.111	1534.4							
	OBS	00030	23.99	36.35	24.69		1534.4							
	STD	00050	20.93	36.32	25.54	00.168	1527.0							
	OBS	00050	20.93	36.32	25.54		1527.0							
	STD	00075	19.72	36.54	26.03	00.224	1524.4							
	OBS	00075	19.72	36.54	26.03		1524.4							
	OBS	00092	17.12	36.16	26.39		1518.8							
	STD	00100	17.24	36.18	26.38	00.271	1517.3							
	OBS	00100	17.24	36.18	26.38		1517.3							
	OBS	00111	17.78	36.34	26.37		1516.3							
	STD	00125	17.66	36.37	26.42	00.312	1519.2							
	OBS	00125	16.87 P											
	OBS	00138	17.48	36.40	26.49		1518.9							
	STD	00150	17.25	36.32	26.48	00.353	1518.3							
	OBS	00150	17.25	36.32	26.48		1518.3							
	STD	00200	16.68	36.27	26.58	00.432	1517.4							
	OBS	00200	16.68	36.27	26.58		1517.4							
	STD	00250	15.94	36.13	26.65	00.507	1515.8							
	OBS	00250	15.94	36.13	26.65		1515.8							
	OBS	00265	13.73	35.52	26.64		1508.8							
	STD	00300	13.97	35.75	26.79	00.578	1509.9							
	OBS	00300	13.97	35.75	26.79		1509.9							
	OBS	00335	13.47	35.68	26.84		1508.8							
	OBS	00345	13.55	35.76	26.89		1509.3							
	OBS	00365	12.59	35.55	26.92		1506.2							
	STD	00400	12.30	35.53	26.96	30.706	1505.7							
	OBS	00400	12.30	35.53	26.96		1505.7							
	OBS	00455	11.10	35.36	27.06		1502.2							
	OBS	00465	10.40	35.34	27.13		1500.6							
	OBS	00480	10.59	35.34	27.13		1500.8							
	STD	00500	10.30	35.30	27.15	00.818	1500.1							
	OBS	00500	10.30	35.30	27.15		1500.1							
	STD	00600	08.23	35.10	27.34	00.913	1493.8							
	OBS	00600	08.23	35.10	27.34		1493.8							
	STD	00700	06.56	35.04	27.53	00.985	1488.5							
	OBS	00700	06.56	35.04	27.53		1488.5							
	STD	00800	05.68	35.03	27.64	01.051	1487.0							
	OBS	00800	05.68	35.03	27.64		1487.0							
	OBS	00850	05.17	35.02	27.67		1486.6							
	OBS	00862	05.40	35.04	27.68		1486.9							
	STD	00900	05.37	35.06	27.70	01.106	1487.5							
	OBS	00900	05.37	35.06	27.70		1487.5							
	OBS	00910	05.43	35.07	27.70		1487.9							
	OBS	00945	05.01	35.02	27.71		1487.0							
	OBS	00975	05.05	35.03	27.71		1487.4							
	STD	01000	04.96	35.03	27.72	01.157	1487.4							
	OBS	01000	04.96	35.03	27.72		1487.4							
	OBS	01089	04.94	35.05	27.74		1488.8							
	STD	01100	04.76	35.03	27.75	01.206	1488.3							
	OBS	01100	04.76	35.03	27.75		1488.3							
	OBS	01130	04.67	35.03	27.76		1488.4							
	OBS	01150	04.69	35.03	27.76		1488.8							
	STD	01200	04.55	35.01	27.76	01.254	1489.0							
	OBS	01200	04.55	35.01	27.76		1489.0							
	OBS	01215	04.47	35.01	27.76		1489.0							
	STD	01300	04.36	35.01	27.78	01.301	1489.9							
	OBS	01300	04.36	35.01	27.78		1489.9							
	STD	01400	04.23	34.99	27.78	01.348	1491.0							
	OBS	01400	04.23	34.99	27.78		1491.0							
	OBS	01440	04.16	34.98	27.77		1491.5							
	OBS	01450	03.56	34.95	27.77		1490.7							
	OBS	01465	03.68	34.97	27.79		1491.1							
	OBS	01490	03.89	34.95	27.78		1491.1							
	STD	01500	03.89	34.95	27.78	01.395	1491.3							
	OBS	01500	03.89	34.95	27.78		1491.3							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

W O D C S T A T I O N D A T A

REFID 31 8456	YEAR 1975	BCTDP 03105	AIR TEMP 25.7	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1907
CONSEC 0008	MONTH 09	SHIP E1	WET BULB 21.9	02 4 4	WIND-SPD 20	TRACE DIA D	5 SQUARE 1
LA" 41 23.0N	DAY 04	DATE USE 1	BAROMETER 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 00
LONG 050 21.0W	MOOR 13.0	AREA 05	CLCUD 7/4	CL/7R	WEATHER X1	ORIG A4 03208	1 SQUARE 10

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PD4	TOT P	NO2	NO3	S103	PH
13.0	STD	00000	25.02	36.27	24.31	00.000	1536.3							
	OBS	00000	25.02	36.27	24.31		1536.3							
	STD	00010	24.99	36.27	24.32	00.036	1536.4							
	OBS	00010	24.99	36.27	24.32		1536.4							
	STD	00020	24.99	36.28	24.33	00.072	1536.6							
	OBS	00020	24.99	36.28	24.33		1536.6							
	STD	00030	25.00	36.28	24.33	00.108	1536.8							
	OBS	00030	25.00	36.28	24.33		1536.8							
	OBS	00040	25.03	36.30	24.33		1537.0							
	STD	00050	24.83	36.27	24.37	00.181	1536.7							
	OBS	00050	24.83	36.27	24.37		1536.7							
	OBS	00060	23.97	36.28	24.64		1534.8							
	STD	00075	21.70	36.34	25.34	00.259	1529.4							
	OBS	00075	21.70	36.34	25.34		1529.4							
	OBS	00077	21.39	36.37	25.45		1528.7							
	OBS	00081	21.67	36.52	25.48		1529.7							
	STD	00100	20.75	36.53	25.74	00.321	1527.6							
	OBS	00100	20.75	36.53	25.74		1527.6							
	STD	00125	18.97	36.02	25.83	00.377	1522.5							
	OBS	00125	18.97	36.02	25.83		1522.5							
	STD	00150	17.50	36.05	26.22	00.426	1518.8							
	OBS	00150	17.50	36.05	26.22		1518.8							
	STD	00200	16.75	36.11	26.44	00.517	1517.4							
	OBS	00200	16.75	36.11	26.44		1517.4							
	OBS	00220	16.06	36.04	26.55		1515.6							
	OBS	00225	16.05	36.08	26.57		1515.8							
	OBS	00235	15.96	36.06	26.59		1515.5							
	OBS	00239	16.00	36.06	26.58		1515.7							
	STD	00250	15.45	36.00	26.61	00.596	1514.7							
	OBS	00250	15.45	36.00	26.61		1514.7							
	OBS	00255	15.52	36.01	26.65		1514.4							
	OBS	00270	15.45	36.01	26.66		1514.6							
	OBS	00290	14.88	35.90	26.71		1512.9							
	OBS	00293	14.93	35.92	26.71		1513.1							
	STD	00300	14.86	35.90	26.71	00.665	1513.0							
	OBS	00300	14.86	35.90	26.71		1513.0							
	OBS	00307	15.05	35.97	26.73		1513.8							
	OBS	00345	13.93	35.78	26.82		1510.9							
	OBS	00370	13.83	35.82	26.87		1510.7							
	OBS	00375	13.61	35.84	26.87		1511.1							
	STD	00400	13.56	35.74	26.87	00.806	1510.2							
	OBS	00400	13.56	35.74	26.87		1510.2							
	OBS	00425	12.81	35.62	26.93		1508.0							
	OBS	00429	12.84	35.62	26.92		1508.1							
	OBS	00460	12.12	35.52	26.95		1506.1							
	OBS	00470	12.13	35.52	26.99		1506.3							
	STD	00500	11.54	35.44	27.04	00.925	1504.6							
	OBS	00500	11.54	35.44	27.04		1504.6							
	STD	00600	09.38	35.19	27.22	01.036	1498.2							
	OBS	00600	09.38	35.19	27.22		1498.2							
	OBS	00647	08.54	35.11	27.30		1495.8							
	OBS	00655	08.52	35.11	27.30		1495.8							
	OBS	00674	08.17	35.09	27.34		1494.8							
	OBS	00679	08.24	35.12	27.35		1495.2							
	STD	00700	07.94	35.08	27.37	01.127	1494.3							
	OBS	00700	07.94	35.08	27.37		1494.3							
	OBS	00708	07.84	35.08	27.38		1494.1							
	OBS	00712	07.86	35.08	27.38		1494.2							
	OBS	00717	07.58	35.09	27.43		1493.2							
	OBS	00730	07.52	35.08	27.43		1493.2							
	OBS	00750	06.95	35.06	27.49		1491.4							
	OBS	00760	06.76	35.04	27.50		1490.7							
	STD	00800	06.42	35.04	27.55	01.203	1490.0							
	OBS	00800	06.42	35.04	27.55		1490.0							
	OBS	00815	06.31	35.05	27.57		1489.8							
	OBS	00825	06.28	35.06	27.58		1489.9							
	OBS	00835	06.31	35.07	27.59		1490.2							
	OBS	00845	06.08	35.05	27.60		1489.4							
	OBS	00850	06.00	35.07	27.62		1489.5							
	STD	00900	05.68	35.05	27.65	01.265	1488.7							
	OBS	00900	05.68	35.05	27.65		1488.7							
	OBS	00940	05.37	35.03	27.68		1488.1							
	OBS	00975	05.12	35.02	27.70		1487.6							
	STD	01000	04.98	35.01	27.71	01.316	1487.5							
	OBS	01000	04.98	35.01	27.71		1487.5							
	STD	01100	04.82	35.01	27.73	01.370	1488.5							
	OBS	01100	04.82	35.01	27.73		1488.5							
	STD	01200	04.61	35.00	27.74	01.420	1489.3							
	OBS	01200	04.61	35.00	27.74		1489.3							
	STD	01300	04.45	35.00	27.76	01.465	1490.3							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01330	04.42	35.00	27.76		1490.7							
	OBS	01370	04.43	35.00	27.76		1491.4							
	STD	01400	04.23	35.00	27.78	01.517	1491.1							
	OBS	01400	04.23	35.00	27.78		1491.1							
	OBS	01445	04.26	34.99	27.77		1491.9							
	OBS	01477	04.23	34.99	27.78		1492.3							
	OBS	01485	04.18	34.99	27.78		1492.3							
	STD	01500	04.18	34.99	27.78	01.564	1492.5							
	OBS	01500	04.18	34.99	27.78		1492.5							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

MOCC STATION DATA														
REFID 31 0456	YEAR 1975	SDTDP 04193	AIR TEMP 25.7	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEM 50 1307							
CONSEC 0005	MONTH 05	SHIP E1	WET BULB 21.9	02 4 4	WIND-SPD 20	TRACE DIA	5 SQUARE 1							
LAT 40 52.0N	DAY 04	DATA USE 1	BAROMETR 1010.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 00							
LONG 050 26.0W	MOJR 16.9	AREA 05	CLOUD T/A	CL/7R	WEATHER X1	ORIG A4 0320J	1 SQUARE 00							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIG3	PH
14.4	STD	00000	25.07	34.21	24.25	00.000	1536.3							
	OBS	00000	25.07	34.21	24.25		1536.3							
	STD	00010	25.04	34.22	24.27	00.037	1536.4							
	OBS	00010	25.04	34.22	24.27		1536.4							
	STD	00020	25.09	34.29	24.31	00.073	1536.8							
	OBS	00020	25.09	34.29	24.31		1536.8							
	STD	00030	25.08	34.29	24.31	00.110	1537.0							
	OBS	00030	25.08	34.29	24.31		1537.0							
	STD	00040	25.07	34.31	24.33		1537.1							
	OBS	00040	25.07	34.31	24.33		1537.1							
	STD	00050	24.54	34.34	24.51	00.180	1536.1							
	OBS	00050	24.54	34.34	24.51		1536.1							
	STD	00075	22.28	34.50	25.30	00.257	1531.1							
	OBS	00075	22.28	34.50	25.30		1531.1							
	STD	00100	20.47	34.46	25.77	00.320	1526.8							
	OBS	00100	20.47	34.46	25.77		1526.8							
	STD	00125	19.24	34.46	26.06	00.373	1523.8							
	OBS	00125	19.24	34.46	26.06		1523.8							
	STD	00150	18.81	34.47	26.21	00.421	1523.0							
	OBS	00150	18.81	34.47	26.21		1523.0							
	STD	00200	18.48	34.45	26.28	00.513	1522.9							
	OBS	00200	18.48	34.45	26.28		1522.9							
	STD	00230	16.58	34.15	26.51		1517.4							
	OBS	00230	16.58	34.15	26.51		1517.4							
	STD	00240	16.75	34.20	26.51	00.599	1517.5							
	OBS	00240	16.75	34.20	26.51		1517.5							
	STD	00250	16.51	34.12	26.51		1517.5							
	OBS	00250	16.51	34.12	26.51		1517.5							
	STD	00271	15.55	35.98	26.62		1514.8							
	OBS	00271	15.55	35.98	26.62		1514.8							
	STD	00280	15.89	34.06	26.61	00.676	1516.1							
	OBS	00280	15.89	34.06	26.61		1516.1							
	STD	00300	15.36	34.02	26.65		1514.7							
	OBS	00300	15.36	34.02	26.65		1514.7							
	STD	00310	14.43	35.88	26.75		1511.7							
	OBS	00310	14.43	35.88	26.75		1511.7							
	STD	00320	14.70	35.96	26.80		1512.9							
	OBS	00320	14.70	35.96	26.80		1512.9							
	STD	00350	13.44	35.68	26.81	00.815	1505.8							
	OBS	00350	13.44	35.68	26.81		1505.8							
	STD	00400	13.46	35.68	26.84		1509.8							
	OBS	00400	13.46	35.68	26.84		1509.8							
	STD	00430	12.14	35.44	26.92		1505.6							
	OBS	00430	12.14	35.44	26.92		1505.6							
	STD	00445	12.56	35.60	26.96	00.939	1507.4							
	OBS	00445	12.56	35.60	26.96		1507.4							
	STD	00500	11.48	35.43	27.04		1504.4							
	OBS	00500	11.48	35.43	27.04		1504.4							
	STD	00600	09.39	35.18	27.21	01.046	1498.2							
	OBS	00600	09.39	35.18	27.21		1498.2							
	STD	00700	07.54	35.04	27.39	01.136	1452.7							
	OBS	00700	07.54	35.04	27.39		1452.7							
	STD	00770	06.83	35.06	27.51		1491.1							
	OBS	00770	06.83	35.06	27.51		1491.1							
	STD	00780	06.84	35.08	27.52	01.211	1451.4							
	OBS	00780	06.84	35.08	27.52		1451.4							
	STD	00800	06.56	35.05	27.54		1450.6							
	OBS	00800	06.56	35.05	27.54		1450.6							
	STD	00810	06.42	35.05	27.56		1490.2							
	OBS	00810	06.42	35.05	27.56		1490.2							
	STD	00821	06.52	35.07	27.56		1450.8							
	OBS	00821	06.52	35.07	27.56		1450.8							
	STD	00885	05.72	35.01	27.62	01.274	1488.6							
	OBS	00885	05.72	35.01	27.62		1488.6							
	STD	00900	05.78	35.04	27.63		1485.1							
	OBS	00900	05.78	35.04	27.63		1485.1							
	STD	00910	05.54	35.01	27.64	01.330	1488.3							
	OBS	00910	05.54	35.01	27.64		1488.3							
	STD	01000	05.13	35.01	27.69		1488.1							
	OBS	01000	05.13	35.01	27.69		1488.1							
	STD	01030	05.00	35.01	27.70		1488.1							
	OBS	01030	05.00	35.01	27.70		1488.1							
	STD	01050	05.10	35.05	27.72		1488.8							
	OBS	01050	05.10	35.05	27.72		1488.8							
	STD	01090	04.85	35.01	27.72	01.382	1488.4							
	OBS	01090	04.85	35.01	27.72		1488.4							
	STD	01100	04.90	35.03	27.73		1488.8							
	OBS	01100	04.90	35.03	27.73		1488.8							
	STD	01200	04.67	35.02	27.75	01.432	1489.5							
	OBS	01200	04.67	35.02	27.75		1489.5							
	STD	01240	04.53	35.00	27.75		1489.6							
	OBS	01240	04.53	35.00	27.75		1489.6							
	STD	01250	04.55	35.01	27.76	01.480	1489.9							
	OBS	01250	04.55	35.01	27.76		1489.9							
	STD	01300	04.43	35.00	27.76		1490.2							
	OBS	01300	04.43	35.00	27.76		1490.2							
	STD	01400	04.32	34.99	27.77	01.525	1451.4							
	OBS	01400	04.32	34.99	27.77		1451.4							
	STD	01500	04.19	34.95	27.78	01.577	1452.6							
	OBS	01500	04.19	34.95	27.78		1452.6							

TABLE IV. USCGC HAMILTON, November, 1977.

NODC STATION DATA
ARCHIVE LISTING

REFID 31 2703	YEAR 1975	BOTOP 02338	AIR TEMP 07.7	DJR HGT PER	WIND-DIR 16	INST HANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 11	SHIP MT	WET BULB 07.3	11 2 5	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 48 34 N	DAY 15	DATA USE 1	BAROMETER 1023.7	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 40 W	MOOR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A2 06201	1 SQUARE 85

CASTNUM/TIME	LVL/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	06.63	34.22	26.87	00.000	1476.6							
12.1	OBS	00000	06.63	34.217	26.87		1476.6							
	STD	00010	06.60	34.20	26.87	00.012	1476.6							
	STD	00020	06.56	34.19	26.87	00.024	1476.6							
12.1	OBS	00023	06.55	34.194	26.87		1476.6							
	STD	00030	06.51	34.20	26.88	00.036	1476.5							
12.1	OBS	00046	06.41	34.210	26.90		1476.4							
	STD	00050	05.92	34.25	26.99	00.059	1476.6							
12.1	OBS	00068	06.21	34.433	27.34		1468.1							
	STD	00075	03.83	34.52	27.44	00.080	1468.7							
12.1	OBS	00090	03.26	34.659	27.61		1464.7							
	STD	00100	03.30	34.68	27.63	00.094	1465.1							
	STD	00125	03.40	34.73	27.66	00.106	1466.0							
12.1	OBS	00134	03.45	34.750	27.66		1466.4							
	STD	00150	03.59	34.77	27.67	00.117	1467.3							
12.1	OBS	00182	03.76	34.803	27.68		1468.6							
	STD	00200	03.69	34.81	27.69	00.136	1468.6							
	STD	00250	03.55	34.84	27.72	00.160	1468.9							
12.1	OBS	00269	03.52	34.841	27.73		1469.0							
	STD	00300	03.51	34.85	27.74	00.180	1469.3							
12.1	OBS	T00356	03.50	34.851	27.74		1470.4							
	STD	00400	03.42	34.83	27.73	00.220	1470.8							
12.1	OBS	00446	03.35	34.821	27.73		1471.2							
	STD	00500	03.30	34.85	27.76	00.260	1471.9							
12.1	OBS	T00528	03.28	34.857	27.77		1472.3							
	STD	00600	03.28	34.85	27.76	00.300	1473.5							
12.1	OBS	T00667	03.27	34.848	27.76		1474.6							
	STD	00700	03.26											
	STD	00800	03.23											
12.1	OBS	T00809	03.23											
	STD	C0900	03.23											
	STD	01000	03.26											
	STD	01100	03.32											
12.1	OBS	T01157	03.36											

REFID 31 2703	YEAR 1975	BOTOP 01152	AIR TEMP 08.3	DJR HGT PER	WIND-DIR 16	INST HANSEN CAST	TEN SQ 1306
CONSEC 0302	MONTH 11	SHIP MT	WET BULB 07.7	09 1 5	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 48 20 N	DAY 15	DATA USE 1	BAROMETER 1023.0	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	MOOR 13.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A2 06202	1 SQUARE 85

CASTNUM/TIME	LVL/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	QXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	07.05	34.18	26.79	00.000	1478.2							
13.0	OBS	00000	07.05	34.185	26.79		1478.2							
	STD	00010	07.03	34.18	26.79	00.013	1478.3							
	STD	00020	07.01	34.18	26.80	00.025	1478.3							
13.0	OBS	00024	07.00	34.182	26.80		1478.4							
	STD	00030	06.89	34.19	26.82	00.038	1478.1							
13.0	OBS	00048	06.58	34.226	26.89		1477.2							
	STD	00050	06.29	34.25	26.95	00.062	1476.1							
13.0	OBS	00072	03.99	34.505	27.42		1467.3							
	STD	00075	03.87	34.53	27.44	00.084	1466.9							
13.0	OBS	00096	03.25	34.644	27.60		1464.8							
	STD	00100	03.25	34.66	27.61	00.098	1464.9							
	STD	00125	03.30	34.71	27.65	00.110	1465.5							
13.0	OBS	00145	03.34	34.742	27.67		1466.1							
	STD	00150	03.36	34.75	27.67	00.122	1466.3							
	STD	00200	03.53	34.80	27.70	00.143	1467.9							
13.0	OBS	T00203	03.53	34.805	27.70		1468.0							
	STD	00250	03.44	34.81	27.71	00.164	1468.4							
	STD	00300	03.38	34.81	27.72	00.184	1468.9							
13.0	OBS	00300	03.38	34.815	27.72		1468.9							
13.0	OBS	T00356	03.33	34.821	27.73		1470.3							
	STD	00400	03.33	34.82	27.73	00.225	1470.4							
13.0	OBS	00493	03.34	34.825	27.74		1472.0							
	STD	00500	03.33	34.83	27.74	00.266	1472.0							
13.0	OBS	00590	03.26											
	STD	00600	03.24	34.83	27.75	00.306	1473.4							
	STD	00700	03.28	34.84	27.75	00.347	1475.2							
13.0	OBS	00783	03.29	34.845	27.76		1476.6							
	STD	00800	03.29	34.85	27.76	00.388	1476.9							
	STD	C0900	03.28	34.86	27.77	00.429	1478.5							
	STD	01000	03.26	34.88	27.78	00.469	1480.1							
13.0	OBS	T01017	03.25	34.875	27.79		1480.4							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MOOC STATION DATA

REFID 31 2703 YEAR 1975 BOTOP 00828 AIR TEMP 09.4 DIR HGT PER WIND-DIR 18 INST HANSEN CAST TEN SO 1306
 CONSEC 0003 MONTH 11 SHIP HT WET BULB 08.8 18 1 5 WIND-SPD 07 TRACE DIR 5 SQUARE 4
 LAT 48 00 N DAY 15 DATA USE 1 BAROMETER 1022.4 SEA WIND-FOR DURATION 2 SQUARE 04
 LONG 045 48 W HOUR 17.3 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG A2 06203 1 SQUARE 09

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
17.3	STD	00000	07.35	33.72	26.39	00.000	1478.7							
	OBS	00000	07.35	33.725	26.39		1478.7							
	STD	00010	07.27	33.74	26.43	00.014	1478.7							
	STD	00020	07.14	33.83	26.50	00.032	1478.4							
17.3	OBS	00021	07.12	33.838	26.51		1478.3							
	STD	00030	06.89	33.96	26.64	00.047	1477.7							
17.3	OBS	00042	06.63	34.073	26.76		1477.1							
	STD	00050	06.52	34.08	26.78	00.074	1476.8							
17.3	OBS	00062	06.35	34.137	26.85		1476.4							
	STD	00075	06.16	34.31	27.25	00.100	1467.8							
17.3	OBS	00083	05.18	34.408	27.42		1465.9							
	STD	00100	03.18	34.51	27.50	00.118	1464.4							
	STD	00125	03.21	34.62	27.59	00.132	1465.1							
17.3	OBS	00125	03.21	34.622	27.59		1465.1							
	STD	00150	03.28	34.69	27.64	00.145	1465.8							
17.3	OBS	T00171	03.35	34.741	27.67		1466.6							
	STD	00200	03.59	34.79	27.68	00.168	1468.1							
	STD	00250	03.78	34.84	27.71	00.185	1469.9							
17.3	OBS	00256	03.79	34.848	27.71		1470.0							
	STD	00300	03.58	34.84	27.73	00.210	1469.8							
17.3	OBS	T00342	03.45	34.840	27.74		1470.0							
	STD	00400	03.43	34.84	27.74	00.250	1470.8							
17.3	OBS	00433	03.41	34.845	27.74		1471.3							
	STD	00500	03.34	34.85	27.76	00.290	1472.1							
17.3	OBS	00521	03.33	34.856	27.76		1472.6							
	STD	00600	03.32	34.86	27.76	00.325	1473.7							
17.3	OBS	T00648	03.32	34.855	27.76		1474.8							

REFID 31 2703 YEAR 1975 BOTOP 00823 AIR TEMP 10.0 DIR HGT PER WIND-DIR 12 INST HANSEN CAST TEN SO 1306
 CONSEC 0034 MONTH 11 SHIP HT WET BULB 09.4 12 1 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4
 LAT 47 00 N DAY 16 DATA USE 1 BAROMETER 1016.3 SEA WIND-FOR DURATION 2 SQUARE 04
 LONG 046 31 W HOUR 08.0 AREA 05 CLOUD T/A X/0 CL/TR WEATHER X2 ORIG A2 06204 1 SQUARE 76

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
08.0	STD	00000	07.38	33.61	26.29	00.000	1478.7							
	OBS	00000	07.38	33.609	26.29		1478.7							
	STD	00010	07.34	33.61	26.30	00.017	1478.7							
	STD	00020	07.27	33.62	26.32	00.035	1478.6							
08.0	OBS	00024	07.23	33.621	26.32		1478.5							
	STD	00030	07.14	33.69	26.39	00.051	1478.4							
08.0	OBS	00048	06.88	33.906	26.60		1477.9							
	STD	00050	06.54	33.94	26.67	00.082	1476.4							
08.0	OBS	00072	03.85	34.262	27.24		1466.4							
	STD	00075	03.74	34.29	27.27	00.109	1466.1							
08.0	OBS	00097	03.21	34.494	27.48		1466.4							
	STD	00100	03.23	34.51	27.49	00.127	1465.4							
	STD	00125	03.38	34.62	27.57	00.142	1465.8							
08.0	OBS	00145	03.51	34.714	27.53		1466.8							
	STD	00150	03.69	34.75	27.64	00.154	1467.7							
08.0	OBS	T00199	04.94	34.968	27.68		1474.0							
	STD	00200	04.94	34.97	27.68	00.177	1474.0							
	STD	00250	04.71	34.94	27.69	00.200	1473.9							
08.0	OBS	00296	04.46	34.924	27.70		1473.6							
	STD	00300	04.42	34.92	27.70	00.222	1473.5							
08.0	OBS	T00392	03.76	34.890	27.74		1472.3							
	STD	00400	03.78	34.89	27.74	00.264	1472.4							
08.0	OBS	00494	03.69	34.887	27.75		1473.5							
	STD	00500	03.68	34.89	27.75	00.304	1473.6							
08.0	OBS	T00591	03.54	34.889	27.76		1474.6							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

PEPID 31 2703 YEAR 1975 BOTDP 01152 AIR TEMP 05.4 DIR HGT PER WIND-DIR 10 INST HANSEN CAST TEN SQ 1306
 CONSEC 0005 MONTH 11 SHIP HT MET BULB 08.9 14 0 2 WIND-SPD 13 TRACE DIR 3 SQUARE 4
 LAT 47 00 N DAY 16 DATA USE 1 BAROMETER 1015.6 SEA WIND-FOR DURATION 2 SQUARE 66
 LONG 046 47 W HOUR 10.1 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER XZ ORIG A2 06206 1 SQUARE 76

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.1	STD	00000	06.67	34.17	26.83	00.000	1476.7							
10.1	OBS	00000	06.67	34.167	26.83		1476.7							
10.1	STD	00010	06.57	34.19	26.86	00.012	1476.5							
10.1	STD	00020	06.48	34.21	26.89	00.024	1476.3							
10.1	OBS	00025	06.43	34.212	26.90		1476.2							
10.1	STD	00030	06.40	34.21	26.90	00.036	1476.1							
10.1	STD	00050	06.22	34.21	26.92	00.059	1475.7							
10.1	OBS	00050	06.22	34.211	26.92		1475.7							
10.1	STD	00075	05.85	34.26	27.01	00.087	1474.7							
10.1	OBS	00075	05.85	34.260	27.01		1474.7							
10.1	STD	00100	05.12	34.56	27.55	00.107	1466.2							
10.1	OBS	00100	05.12	34.561	27.55		1466.2							
10.1	STD	00125	05.22	34.65	27.60	00.120	1465.1							
10.1	STD	00150	05.31	34.71	27.65	00.132	1466.0							
10.1	OBS	00150	05.31	34.711	27.65		1466.0							
10.1	STD	00200	05.49	34.78	27.68	00.155	1467.7							
10.1	OBS	T00205	05.50	34.781	27.68		1467.8							
10.1	STD	00250	05.50	34.80	27.70	00.177	1468.6							
10.1	STD	00300	05.49	34.81	27.71	00.198	1469.4							
10.1	OBS	00305	05.49	34.812	27.71		1469.5							
10.1	STD	00400	05.40	34.82	27.73	00.239	1470.7							
10.1	OBS	T00405	05.40	34.821	27.73		1470.8							
10.1	STD	00500	05.39	34.83	27.73	00.281	1472.3							
10.1	OBS	00510	05.39	34.831	27.73		1472.5							
10.1	STD	00600	05.33	34.83	27.74	00.322	1473.7							
10.1	OBS	T00610	05.33	34.827	27.74		1473.9							
10.1	STD	00700	05.33	34.84	27.74	00.364	1475.3							
10.1	STD	00800	05.32	34.84	27.75	00.406	1477.0							
10.1	OBS	00810	05.32	34.841	27.75		1477.2							
10.1	STD	00900	05.28	34.84	27.75	00.448	1478.5							
10.1	STD	01000	05.25	34.84	27.75	00.491	1480.0							
10.1	OBS	T01015	05.24											
10.1	STD	01100	05.27	34.83	27.75	00.535	1481.8							
10.1	OBS	T01125	05.29	34.832	27.75		1482.3							

PEPID 31 2703 YEAR 1975 BOTDP 01075 AIR TEMP 09.4 DIR HGT PER WIND-DIR 11 INST HANSEN CAST TEN SQ 1306
 CONSEC 0006 MONTH 11 SHIP HT MET BULB 08.9 11 1 5 WIND-SPD 07 TRACE DIR 3 SQUARE 4
 LAT 47 00 N DAY 16 DATA USE 1 BAROMETER 1015.6 SEA WIND-FOR DURATION 2 SQUARE 66
 LONG 046 59 W HOUR 12.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG A2 06206 1 SQUARE 76

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	STD	00000	05.79	33.66	26.78	00.000	1472.9							
12.0	OBS	00000	05.79	33.961	26.78		1472.9							
12.0	STD	00010	05.74	34.05	26.86	00.012	1473.0							
12.0	STD	00020	05.69	34.12	26.92	00.024	1473.0							
12.0	OBS	00025	05.66	34.142	26.94		1473.0							
12.0	STD	00030	05.63	34.14	26.94	00.035	1472.9							
12.0	OBS	T00049	05.50	34.133	26.97		1472.7							
12.0	STD	00050	05.53	34.16	26.99	00.058	1472.1							
12.0	OBS	00074	05.69	34.297	27.37		1461.5							
12.0	STD	00075	05.69	34.31	27.39	00.080	1461.6							
12.0	OBS	00098	05.70	34.618	27.63		1462.4							
12.0	STD	00100	05.73	34.62	27.63	00.095	1462.6							
12.0	STD	00125	05.06	34.65	27.62	00.107	1464.4							
12.0	OBS	00147	05.31	34.676	27.62		1465.9							
12.0	STD	00150	05.35	34.68	27.62	00.119	1466.1							
12.0	STD	00200	05.75	34.78	27.66	00.143	1469.0							
12.0	OBS	T00201	05.80	34.784	27.66		1469.0							
12.0	STD	00250	05.75	34.80	27.67	00.166	1469.6							
12.0	STD	00300	05.70	34.81	27.69	00.189	1470.3							
12.0	OBS	00300	05.70											
12.0	OBS	T00398	05.64	34.824	27.71		1471.7							
12.0	STD	00400	05.64											
12.0	STD	00500	05.53											
12.0	OBS	00501	05.53											
12.0	OBS	T00599	05.42	34.850	27.75		1474.1							
12.0	STD	00600	05.42	34.85	27.75		1474.1							
12.0	STD	00700	05.38	34.84	27.75		1475.6							
12.0	OBS	00705	05.34	34.836	27.75		1477.0							
12.0	STD	00800	05.34	34.84	27.75		1477.1							
12.0	STD	00900	05.31	34.84	27.75		1478.4							
12.0	STD	01000	05.28	34.84	27.76		1480.2							
12.0	OBS	T01002	05.28	34.844	27.76		1480.2							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2703	YEAR 1975	BOTDP 00454	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 11	INST HANSEN CAST	TEN SO 1306
CONSEC 0607	MONTH 11	SHIP HT	WET BULB 07.7	12 0 X	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 16 W	MOOR 13.9	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 06207	1 SQUARE 77

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	ORVG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.35	33.63	26.87	00.000	1437.9							
13.9	OBS	00000	02.35	33.625	26.87		1437.9							
	STD	00010	02.01	33.79	26.96	00.011	1460.3							
	STD	00020	03.19	33.91	27.02	00.022	1462.3							
13.9	OBS	00025	03.35	33.954	27.04		1463.1							
	STD	00030	03.77	33.98	27.02	00.033	1465.0							
13.9	OBS	00045	03.87	33.984	27.02		1465.0							
	STD	00050	03.44	33.98	27.03	00.054	1466.9							
13.9	OBS	00073	00.59	33.824	27.15		1451.6							
	STD	00075	00.64	33.85	27.17	00.070	1451.6							
13.9	OBS	00098	01.10	34.136	27.37		1456.7							
	STD	00100	01.12	34.14	27.37	00.098	1456.8							
	STD	00125	01.42	34.23	27.42	00.116	1456.7							
13.9	OBS	00147	01.76	34.301	27.45		1456.7							
	STD	00150	01.84	34.31	27.46	00.132	1456.1							
	STD	00200	02.84	34.49	27.51	00.163	1466.5							
13.9	OBS	T00201	02.85											
	STD	00250	03.08	34.62	27.59	00.191	1466.5							
13.9	OBS	00299	03.21	34.694	27.64		1466.0							
	STD	00300	03.21	34.65	27.64	00.216	1466.0							
13.9	OBS	T00398	03.20	34.707	27.65		1469.6							
	STD	00400	03.20	34.71	27.65	00.264	1469.7							
13.9	OBS	T00442	03.30	34.695	27.64		1470.8							

REFID 31 2703	YEAR 1975	BOTDP 00218	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 06	INST HANSEN CAST	TEN SO 1306
CONSEC 0608	MONTH 11	SHIP HT	WET BULB 07.2	12 0 X	WIND-SPD 11	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 27 W	MOOR 13.4	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 06206	1 SQUARE 77

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	ORVG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.66	32.90	26.26	00.000	1456.3							
13.4	OBS	00000	02.66	32.899	26.26		1456.3							
	STD	00010	02.11	33.11	26.47	00.017	1456.3							
	STD	00020	01.71	33.28	26.64	00.032	1455.0							
13.4	OBS	00025	01.56	33.350	26.71		1454.5							
	STD	00030	01.42	33.40	26.76	00.045	1454.0							
	STD	00050	01.34	33.55	26.88	00.070	1454.2							
13.4	OBS	00050	01.34	33.554	26.88		1454.2							
	STD	00075	02.33	33.63	26.87	00.100	1455.1							
13.4	OBS	00075	02.33	33.630	26.87		1455.1							
	STD	00100	03.00	33.99	27.10	00.127	1462.9							
13.4	OBS	00100	03.00	33.988	27.10		1462.9							
	STD	00125	02.49	34.16	27.30	00.145	1461.4							
	STD	00150	00.81	34.22	27.45	00.167	1454.4							
13.4	OBS	00150	00.81	34.217	27.45		1454.4							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MODEC STATION DATA

REFID 31 2703	YEAR 1975	BOTDP 00175	AIR TEMP 06.7	DIR HGT PER 12 0 X	WIND-DIR 09	INST HANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 11	SHIP MT	WET BULB 06.7	SEA	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1009.5	CL/TR	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 34 W	MOOR 17.0	AREA 05	CLOUD T/A X/9		WEATHER X4	ORIG A2 06209	1 SQUARE 77

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PD4	TOT P	NO2	NO3	SIO3	PH
17.0 STD	00000	02.55	32.93	26.30	00.000	1457.8								
17.0 OBS	00000	02.55	32.935	26.30		1457.8								
17.0 STD	00010	02.47	32.95	26.31	00.017	1457.7								
17.0 STD	00020	02.39	32.96	26.33	00.034	1457.5								
17.0 OBS	00025	02.35	32.963	26.34		1457.4								
17.0 STD	00030	02.31	32.96	26.44	00.051	1457.5								
17.0 STD	00050	02.17	32.41	26.71	00.080	1457.7								
17.0 OBS	00059	02.17	32.410	26.71		1457.7								
17.0 STD	00075	01.99	32.44	26.75	00.114	1457.3								
17.0 OBS	00075	01.99	32.442	26.75		1457.3								
17.0 STD	00100	01.73	32.56	26.86	00.145	1456.7								
17.0 OBS	00100	01.73	32.562	26.86		1456.7								

REFID 31 2703	YEAR 1975	BOTDP 00146	AIR TEMP 06.7	DIR HGT PER 12 0 2	WIND-DIR 10	INST HANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 11	SHIP MT	WET BULB 06.7	SEA	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1041.0	CL/TR	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 03 W	MOOR 16.7	AREA 05	CLOUD T/A X/9		WEATHER X4	ORIG A2 06210	1 SQUARE 78

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	QXYG	PD4	TOT P	NO2	NO3	SIO3	PH
16.7 STD	00000	02.56	32.95	26.31	00.000	1457.9								
16.7 OBS	00000	02.56	32.951	26.31		1457.9								
16.7 STD	00010	02.47	32.98	26.34	00.017	1457.7								
16.7 STD	00020	02.38	32.01	26.37	00.034	1457.5								
16.7 OBS	00025	02.33	32.027	26.39		1457.4								
16.7 STD	00030	02.60	32.29	26.55	00.050	1456.0								
16.7 STD	00050	02.68	32.80	26.58	00.076	1460.4								
16.7 OBS	00050	02.68	32.800	26.58		1460.4								
16.7 STD	00075	00.48	32.71	27.06	00.102	1450.9								
16.7 OBS	00075	00.48	32.713	27.06		1450.9								
16.7 STD	00100	- 0.18	32.90	27.25	00.125	1448.6								
16.7 OBS	00100	- 0.18	32.905	27.25		1448.6								
16.7 STD	00120	00.00	32.901	27.24		1450.1								

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTDP 04685	AIR TEMP 15.6	DIA HGT PER	WIND-DIR 14	INST NAMSEN CAST	TEN SO 1306
CONSEC 0001	MONTH 11	SHIP MT	WET BULB 15.0	18 0 X	WIND-SPD 03	TRACE DIA	5 SQUARE 1
LAT 43 11 N	DAY 17	DATA USE 1	BAROMETR 1004.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 26 W	MOUR 22.2	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG A3 06501	1 SQUARE 31

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SIO3	PH
22.2	STD	00300	17.38	35.57	25.87	00.000	1515.4							
	OBS	00000	17.38	35.564	25.87		1515.4							
	STD	00010	16.42	35.46	25.90	00.021	1514.0							
	STD	00020	16.52	35.38	25.93	00.042	1512.9							
	STD	00030	16.20	35.32	25.97	00.063	1512.0							
22.2	OBS	00034	16.09	35.305	25.98		1511.7							
	STD	00050	15.96	35.40	26.08	00.103	1511.7							
	STD	00075	15.84	35.51	26.20	00.151	1511.9							
22.2	OBS	00097	15.84	35.594	26.26		1512.3							
	STD	00100	15.86	35.60	26.26	00.164	1512.4							
	STD	00125	15.97	35.66	26.28	00.241	1513.3							
22.2	OBS	00126	15.97	35.664	26.28		1513.3							
	STD	00150	15.97	35.67	26.29	00.286	1513.7							
22.2	OBS	00188	15.97	35.672	26.29		1514.3							
	STD	00200	15.44	35.67	26.41	00.373	1512.9							
	STD	00250	15.44	35.67	26.80	00.448	1507.9							
22.2	OBS	T00251	15.41	35.667	26.80		1507.8							
	STD	00300	12.99	35.64	26.91	00.513	1504.5							
22.2	OBS	00376	12.01	35.565	27.04		1504.4							
	STD	00400	11.75	35.52	27.06	00.630	1503.8							
	STD	00500	10.40	35.33	27.16	00.737	1500.5							
22.2	OBS	T00502	10.37	35.331	27.16		1500.4							
	STD	00600	08.57	35.14	27.32	00.832	1495.1							
22.2	OBS	00653	07.97	35.084	27.36		1493.3							
	STD	00700	06.75	34.98	27.46	00.913	1489.4							
22.2	OBS	T00760	05.67	34.612	27.35		1486.2							

REFID 31 2704	YEAR 1975	BOTDP 04642	AIR TEMP 15.6	DIA HGT PER	WIND-DIR 22	INST NAMSEN CAST	TEN SO 1306
CONSEC 0002	MONTH 11	SHIP MT	WET BULB 15.0	09 1 6	WIND-SPD 08	TRACE DIA	5 SQUARE 1
LAT 43 15 N	DAY 18	DATA USE 1	BAROMETR 1005.8	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 34 W	MOUR 05.7	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG A3 06502	1 SQUARE 31

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SIO3	PH
05.7	STD	00000	14.17	34.78	26.00	00.000	1504.5							
	OBS	C0000	14.17	34.776	26.00		1504.5							
	STD	00010	14.17	34.78	26.00	00.020	1504.4							
	STD	00020	14.18	34.80	26.02	00.040	1504.8							
05.7	OBS	00025	14.18	34.824	26.03		1505.0							
	STD	00030	14.20	34.90	26.09	00.060	1505.2							
	STD	00050	14.26	35.02	26.17	00.098	1505.9							
05.7	OBS	00050	14.26	35.023	26.17		1505.9							
	STD	00075	11.08	34.77	26.60	00.140	1495.2							
05.7	OBS	00075	11.08	34.772	26.60		1495.2							
	STD	00100	08.50	34.56	26.87	00.173	1485.9							
05.7	OBS	C0100	08.50	34.562	26.87		1485.9							
	STD	00125	09.05	34.84	27.00	00.202	1488.7							
	STD	00150	09.06	34.97	27.10	00.228	1489.3							
05.7	OBS	00150	09.06	34.965	27.10		1489.3							
	STD	00200	07.35	34.78	27.22	00.275	1483.4							
05.7	OBS	T00205	07.22	34.766	27.22		1483.0							
	STD	00250	06.52	34.75	27.31	00.318	1480.5							
	STD	00300	06.04	34.73	27.36	00.358	1479.4							
05.7	OBS	00305	06.01	34.732	27.36		1479.8							
	STD	00400	06.09	34.93	27.50	00.426	1481.9							
05.7	OBS	T00405	06.09	34.932	27.51		1482.0							
	STD	00500	05.47	34.94	27.59	00.489	1481.1							
05.7	OBS	00510	05.42	34.942	27.60		1481.1							
	STD	00600	05.09	34.96	27.66	00.544	1481.2							
05.7	OBS	00610	05.06	34.964	27.66		1481.3							
	STD	00700	04.75	34.96	27.70	00.594	1481.5							
	STD	00800	04.51	34.96	27.72	00.642	1482.1							
05.7	OBS	00810	04.49	34.961	27.72		1482.2							
	STD	00900	04.45	34.97	27.74	00.685	1483.6							
	STD	01000	04.38	34.98	27.75	00.735	1485.0							
05.7	OBS	T01015	04.37	34.975	27.75		1485.2							
05.7	OBS	01525	03.78	34.933	27.78		1491.2							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MODEC STATION DATA

REFID 31 2704 YEAR 1975 BOTOP 04669 AIR TEMP 16.7 DIR HGT PER WIND-DIR 23 INST HANSEN EAST TEN SO 1306
 CONSEC 0003 MONTH 11 SHIP MT WET BULB 15.4 OB 4 5 WIND-SPD 08 TRACE DIR 5 SQUARE 1
 LAT 43 21 N DAY 18 DATA USE 1 BAROMETER 1006.4 SEA WIND-FOR DURATION 2 SQUARE 22
 LONG 042 26 W HOUR 09.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG A3 06503 1 SQUARE 32

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND VEL	OKYC	PO4	TCT P	NO2	NO3	SIO3	PH
STD	00000	15.21	35.27	26.15	00.000	1508.4								
09.3 OBS	00000	15.21	35.272	26.15		1508.4								
STD	00010	15.04	35.24	26.18	00.016	1508.1								
STD	00020	15.01	35.24	26.18	00.037	1508.1								
09.3 OBS	00020	15.01	35.254	26.18		1508.1								
STD	00030	15.44	35.43	26.22	00.055	1509.9								
09.3 OBS	00042		35.592											
STD	00050	15.94	35.65	26.28	00.091	1511.9								
09.3 OBS	00065	15.43	35.715	26.33		1512.3								
STD	00075	15.48	35.72	26.39	00.134	1511.6								
09.3 OBS	00088	15.37	35.723	26.44		1510.9								
STD	00100	15.22	35.73	26.51	00.175	1510.6								
STD	00125	14.91	35.76	26.59	00.213	1510.1								
STD	00150	14.61	35.78	26.68	00.245	1509.6								
09.3 OBS	T00183	14.20	35.811	26.79		1508.8								
STD	00200	13.21	35.83	26.86	00.316	1505.6								
STD	00250	16.80	35.23	27.01	00.376	1497.7								
09.3 OBS	00270	16.05	35.118	27.05		1495.1								
STD	00300	09.30	35.06	27.14	00.425	1492.8								
09.3 OBS	T00362	08.17	35.006	27.27		1489.5								
STD	00400	07.75	35.02	27.35	00.516	1488.5								
09.3 OBS	00453	07.50	35.043	27.40		1488.5								

REFID 31 2704 YEAR 1975 BOTOP 04316 AIR TEMP 16.4 DIR HGT PER WIND-DIR 21 INST HANSEN EAST TEN SO 1306
 CONSEC 0004 MONTH 11 SHIP MT WET BULB 16.7 25 2 3 WIND-SPD 16 TRACE DIR 5 SQUARE 1
 LAT 43 37 N DAY 18 DATA USE 1 BAROMETER 1003.7 SEA WIND-FOR DURATION 2 SQUARE 22
 LONG 043 40 W HOUR 16.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X6 ORIG A3 06504 1 SQUARE 32

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND VEL	OKYC	PO4	TCT P	NO2	NO3	SIO3	PH
STD	00000	17.77	36.17	26.24	00.000	1517.2								
16.2 OBS	00000	17.77	36.171	26.24		1517.2								
STD	00010	17.75	36.17	26.25	00.018	1517.3								
STD	00020	17.74	36.18	26.25	00.036	1517.5								
09.3 OBS	00025	17.73	36.178	26.26		1517.5								
STD	00030	17.75	36.18	26.26	00.053	1517.7								
09.3 OBS	00049	17.81	36.207	26.26		1518.2								
STD	00050	17.81	36.21	26.26	00.089	1518.2								
09.3 OBS	00074	17.88	36.245	26.27		1518.9								
STD	00075	17.88	36.25	26.27	00.134	1518.9								
09.3 OBS	00099	17.86	36.255	26.28		1519.2								
STD	00100	17.84	36.26	26.29	00.178	1519.2								
STD	00125	17.36	36.26	26.41	00.221	1518.2								
09.3 OBS	00149	16.91	36.262	26.52		1517.2								
STD	00150	16.89	36.26	26.52	00.262	1517.2								
STD	00200	16.03	36.13	26.63	00.338	1515.2								
09.3 OBS	T00203	15.98	36.121	26.63		1515.1								
STD	00250	15.47	36.06	26.70	00.411	1514.3								
STD	00300	14.80	35.97	26.78	00.481	1512.9								
09.3 OBS	00303	14.74	35.963	26.78		1512.8								
STD	00400	13.12	35.71	26.93	00.611	1508.7								
09.3 OBS	T00402	13.09	35.702	26.94		1508.6								
STD	00500	11.85	35.52	27.04	00.731	1505.8								
09.3 OBS	00507	11.72	35.498	27.05		1505.5								
STD	00600	09.41	35.21	27.23	00.838	1498.4								
09.3 OBS	00606	09.27	35.193	27.24		1497.9								
STD	00700	06.67	34.88	27.39	00.926	1489.1								
STD	00800	06.88	34.72	27.49	01.001	1483.4								
09.3 OBS	00805	06.62	34.712	27.49		1483.2								
STD	00900	06.60	34.81	27.59	01.066	1484.0								
STD	01000	06.40	34.89	27.68	01.123	1484.9								
09.3 OBS	T01009	06.38	34.895	27.69		1485.0								
09.3 OBS	T01516	03.89	34.925	27.76		1491.5								
STD	01750	03.86	34.94	27.77		1495.3								
09.3 OBS	T01949	03.60	34.958	27.79		1498.5								
STD	02000	03.78	34.95	27.79		1499.2								
09.3 OBS	02458	03.52	34.967	27.83		1506.0								
STD	02500	03.49	34.97	27.83		1506.6								
09.3 OBS	02962	03.17	34.955	27.85		1513.2								
STD	03000	03.14	34.95	27.86		1513.7								
09.3 OBS	T03471	02.78	34.946	27.88		1520.4								
09.3 OBS	T03915	02.49	34.930	27.90		1526.9								

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTOP 04654	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 17	INST HANSEN CAST	TEN SQ 1304
CONSEC 0005	MONTH 11	SHIP MT	WET BULB 17.8	30 2 4	WIND-SPD 12	TRACE DIR	5 SQUARE 1
LAT 43 50 N	DAY 18	DATA USE 1	BAROMETR 1000.3	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 044 30 W	MOOR 23.2	AREA 05	CLOUD T/A X/7	CL/TR	WEATHER X2	ORIG A3 06505	1 SQUARE 34

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SNO VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	STD	00000	18.00	36.22	26.22	00.000	1518.0							
	OBS	00000	18.00	36.220	26.22		1518.0							
	STD	00010	18.00	36.22	26.22	00.018	1518.1							
	STD	00020	18.00	36.22	26.22	00.036	1518.3							
23.2	OBS	00025	18.00	36.219	26.22		1518.4							
	STD	00030	18.01	36.22	26.22	00.054	1518.5							
	STD	00030	18.02	36.22	26.22	00.091	1518.8							
23.2	OBS	00050	18.02	36.219	26.22		1518.8							
	STD	00075	18.01	36.24	26.31	00.135	1519.4							
23.2	OBS	00075	18.01	36.341	26.31		1519.4							
	STD	00100	17.53	36.36	26.45	00.178	1518.4							
23.2	OBS	00100	17.53	36.363	26.45		1518.4							
	STD	00125	17.16	36.32	26.51	00.218	1517.7							
	STD	00150	16.80	36.28	26.56	00.256	1517.0							
23.2	OBS	00150	16.80	36.280	26.56		1517.0							
	STD	00200	16.07	36.19	26.67	00.331	1515.5							
23.2	OBS	00205	16.00	36.186	26.68		1515.3							
	STD	00250	15.59	36.13	26.72	00.402	1514.7							
	STD	00300	15.03	36.04	26.78	00.472	1513.7							
23.2	OBS	00305	14.97	36.026	26.79		1513.6							
	STD	00400	13.54	35.78	26.91	00.604	1510.2							
23.2	OBS	T00405	13.48	35.773	26.91		1510.1							
	STD	00500	12.53	35.66	27.01	00.727	1508.3							
23.2	OBS	00510	12.38	35.633	27.02		1507.9							
	STD	00600	10.47	35.31	27.13	00.840	1502.3							
23.2	OBS	T00610	10.27	35.278	27.14		1501.7							
	STD	00700	08.60	35.18	27.34	00.938	1497.0							
	STD	00800	07.02	35.09	27.50	01.018	1492.4							
23.2	OBS	00810	06.88	35.079	27.52		1492.0							
	STD	00900	05.74	35.01	27.62	01.084	1488.9							
	STD	01000	04.73	34.95	27.69	01.140	1486.4							
23.2	OBS	T01015	04.60	34.947	27.70		1486.1							
23.2	OBS	01525	03.81	34.926	27.77		1481.3							

REFID 31 2704	YEAR 1975	BOTOP 04731	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 16	INST HANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 11	SHIP MT	WET BULB 17.2	15 5 2	WIND-SPD 23	TRACE DIR	5 SQUARE 2
LAT 43 53 N	DAY 19	DATA USE 1	BAROMETR 0994.2	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 045 00 W	MOOR 03.0	AREA 05	CLOUD T/A X/8	CL/TR	WEATHER X2	ORIG A3 06506	1 SQUARE 35

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SNO VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.0	STD	00050	17.81	36.08	26.16	00.000	1517.2							
	OBS	00000	17.81	36.076	26.16		1517.2							
	STD	00010	17.82	36.11	26.18	00.015	1517.5							
	STD	00020	17.84	36.13	26.20	00.037	1517.7							
03.0	OBS	00023	17.84	36.140	26.20		1517.8							
	STD	00030	17.85	36.16	26.21	00.055	1517.9							
03.0	OBS	00046	17.87	36.190	26.23		1518.3							
	STD	00050	17.87	36.19	26.24	00.092	1518.4							
03.0	OBS	00069	17.85	36.217	26.26		1518.6							
	STD	00075	17.83	36.23	26.27	00.137	1518.7							
03.0	OBS	00092	17.74	36.244	26.31		1518.7							
	STD	00100	17.59	36.23	26.33	00.181	1518.4							
	STD	00125	17.14	36.18	26.40	00.223	1517.4							
03.0	OBS	00138		36.165										
	STD	00150	16.69	36.16	26.50	00.264	1516.5							
03.0	OBS	T00188	16.51	36.134	26.63		1515.0							
	STD	00200	15.79	36.10	26.66	00.340	1514.5							
	STD	00250	14.85	35.97	26.76	00.411	1512.3							
03.0	OBS	00261	14.37	35.894	26.82		1511.1							
	STD	00300	14.05	35.84	26.85	00.478	1510.3							
03.0	OBS	00375	12.92	35.680	26.95		1507.6							
	STD	00400	12.77	35.67	26.98	00.603	1507.5							
03.0	OBS	00474	11.82	35.551	27.07		1505.3							
	STD	00500	11.12	35.44	27.11	00.716	1503.2							
03.0	OBS	T00549	09.67	35.206	27.22		1498.1							
	STD	00600	08.86	35.17	27.30	00.816	1496.3							
	STD	00700	07.15	35.09	27.49	00.897	1491.4							
03.0	OBS	T00761	06.40	35.056	27.57		1489.3							
	STD	00800	06.10	35.05	27.60	00.964	1488.7							
	STD	00900	05.41	35.03	27.67	01.022	1487.6							
03.0	OBS	T00961	05.05	35.014	27.70		1487.1							
03.0	OBS	T01462	03.97	34.948	27.77		1490.9							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTDP 04083	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 35	INST MANSEN CAST	TEN SO 1306
CONSEC 0007	MONTH 11	SHIP MT	WET BULB 15.0	15 2 6	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LA° 44 01 N	DAY 19	DATA USE 1	BAROMETR 0988.2	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 043 45 W	MOOR 06.8	AREA 05	CLOUD T/A X/8	CL/TR	WEATHER X2	ORIG A3 06507	1 SQUARE 45

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
06.8	STD	00000	14.74	35.42	25.91	00.000	1513.3							
06.8	OBS	00000	14.74	35.418	25.91		1513.3							
06.8	STD	00010	17.23	35.67	25.60	00.021	1515.2							
06.8	STD	00020	17.40	35.87	26.05	00.051	1516.7							
06.8	OBS	00024	17.71	35.932	26.07		1517.2							
06.8	STD	00030	17.79	36.01	26.11	00.060	1517.6							
06.8	OBS	00049	17.94	36.175	26.20		1518.5							
06.8	STD	00050	17.94	36.18	26.21	00.098	1518.5							
06.8	OBS	00074	17.92	36.233	26.25		1519.0							
06.8	STD	00075	17.92	36.23	26.25	00.143	1519.0							
06.8	OBS	00098	17.88	36.245	26.27		1519.2							
06.8	STD	00100	17.83	36.25	26.28	00.188	1519.1							
06.8	STD	00125	17.26	36.25	26.43	00.231	1517.9							
06.8	OBS	00147	16.75	36.253	26.55		1516.7							
06.8	STD	00150	16.68	36.24	26.56	00.271	1516.6							
06.8	STD	00200	15.54	36.10	26.72	00.344	1513.7							
06.8	OBS	T00201	15.52	36.098	26.72		1513.7							
06.8	STD	00250	14.39	35.91	26.83	00.412	1510.7							
06.8	STD	00300	13.49	35.75	26.89	00.476	1508.4							
06.8	OBS	00300	13.49	35.755	26.89		1508.4							
06.8	OBS	T00398	12.45											
06.8	STD	00400	12.43											
06.8	STD	00500	10.92											
06.8	OBS	00501	10.90	35.424	27.14		1502.4							
06.8	STD	00600	08.24	35.12	27.35		1493.9							
06.8	OBS	T00600	08.24	35.119	27.35		1493.9							
06.8	STD	00700	06.86	35.08	27.52		1490.1							
06.8	OBS	00796	05.86	35.056	27.64		1487.7							
06.8	STD	00800	05.84	35.06	27.64		1487.7							
06.8	STD	00900	05.28	35.04	27.69		1487.1							
06.8	OBS	T00958	04.92	35.020	27.73		1486.8							
06.8	OBS	01499	03.76	34.930	27.78		1490.7							

REFID 31 2704	YEAR 1975	BOTDP 04032	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 32	INST MANSEN CAST	TEN SO 1306
CONSEC 0308	MONTH 11	SHIP MT	WET BULB 07.3	31 5 2	WIND-SPD 29	TRACE DIR	5 SQUARE 2
LA° 44 12 N	DAY 19	DATA USE 1	BAROMETR 0990.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 17 W	MOOR 11.9	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X8	ORIG A3 06508	1 SQUARE 46

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	STD	00000	13.50	34.14	25.65	00.000	1501.5							
11.9	OBS	00000	13.50	34.144	25.65		1501.5							
11.9	STD	00010	13.81	34.27	25.69	00.023	1502.8							
11.9	STD	00020	14.15	34.40	25.72	00.046	1504.2							
11.9	STD	00030	14.52	34.54	25.74	00.069	1505.8							
11.9	OBS	00044	15.09	34.716	25.75		1508.0							
11.9	STD	00050	15.49	35.06	25.82	00.113	1505.8							
11.9	STD	00075	16.64	34.12	26.47	00.159	1515.1							
11.9	OBS	T00078	16.74	34.214	26.52		1515.5							
11.9	STD	00100	16.29	34.17	26.60	00.198	1514.5							
11.9	STD	00125	15.72	34.11	26.68	00.234	1513.0							
11.9	STD	00150	13.08	34.02	26.76	00.268	1511.3							
11.9	OBS	00151	13.05	34.017	26.76		1511.3							
11.9	STD	00200	13.43	35.73	26.88	00.332	1506.5							
11.9	OBS	T00223	12.84	35.633	26.93		1504.8							
11.9	STD	00250	12.46	35.61	26.99	00.392	1503.9							
11.9	OBS	00299	11.68	35.531	27.08		1501.9							
11.9	STD	00300	11.66	35.53	27.08	00.447	1501.9							
11.9	OBS	T00365	10.47	35.364	27.17		1498.5							
11.9	STD	00400	09.91	35.31	27.23	00.547	1497.0							
11.9	OBS	00483	08.12	35.142	27.39		1491.5							
11.9	STD	00500	07.48	35.07	27.43	00.631	1489.2							
11.9	OBS	00582	05.14	34.844	27.56		1481.0							
11.9	STD	00600	05.10	34.86	27.57	00.698	1481.1							
11.9	STD	00700	04.85	34.94	27.66	00.754	1481.9							
11.9	OBS	T00780	04.66	35.003	27.74		1482.5							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MOOC STATION DATA

REFID 31 2704	YEAR 1975	SDTOP 03952	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 32	INST HANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 11	SHIP MT	NET BULB 03.8	31 5 2	WIND-SPD 25	TRACE DIR	5 SQUARE 2
LAT 44 15 N	DAY 19	DATA USE 1	BAROMETER 0991.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 12 W	MOOR 16.8	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	GRIG A3 06509	1 SQUARE 47

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNHPTM	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIG3	PH
	STD	00000	09.85	33.62	25.92	00.000	1488.1							
16.8	OBS	00000	09.85	33.619	25.92		1488.1							
	STD	00010	10.13	33.64	25.89	00.021	1489.3							
	STD	00020	10.35	33.70	25.90	00.042	1490.3							
16.8	OBS	00028	10.50	33.785	25.94		1491.1							
	STD	00030	10.53	33.80	25.95	00.063	1491.3							
	STD	00050	10.74	34.18	26.21	00.102	1492.8							
16.8	OBS	00051	10.75	34.214	26.23		1492.9							
	STD	00075	10.38	35.49	27.28	00.135	1493.6							
16.8	OBS	00079		35.348										
	STD	00100	10.00	35.33	27.28	00.157	1492.5							
16.8	OBS	00102		35.311										
	STD	00125	09.63	35.24	27.22	00.179	1491.4							
	STD	00150	09.26	35.16	27.22	00.201	1490.4							
16.8	OBS	00153	09.22	34.97 P	27.0800									
	STD	00200	08.55	35.03	27.23	00.245	1488.3							
16.8	OBS	T00205	08.50	35.025	27.24		1488.2							
	STD	00250	07.16	34.50	27.34	00.287	1489.4							
	STD	00300	06.03	34.83	27.44	00.324	1479.9							
16.8	OBS	00305	05.94	34.828	27.45		1479.6							
	STD	00400	04.90	34.88	27.62	00.385	1477.0							
16.8	OBS	T00407	04.86	34.888	27.62		1477.0							
	STD	00500	04.99	34.98	27.68	00.435	1479.2							
16.8	OBS	00509	05.00	34.987	27.69		1479.4							
	STD	00600	04.70	34.99	27.72	00.482	1479.7							
16.8	OBS	T00610	04.67	34.985	27.73		1479.7							
	STD	00700	04.50	34.97	27.73	00.527	1480.5							
	STD	00800	04.31	34.96	27.74	00.572	1481.3							
16.8	OBS	T00818	04.27	34.954	27.74		1481.4							
	STD	00900	04.08	34.94	27.75	00.616	1482.0							
	STD	01000	03.88	34.92	27.76	00.661	1482.8							
16.8	OBS	T01021	03.85	34.915	27.76		1483.0							
	STD	01100	03.74	34.92	27.77	00.705	1483.9							
	STD	01200	03.65	34.92	27.78	00.748	1485.2							
	STD	01300	03.60	34.92	27.79	00.791	1486.7							
16.8	OBS	01345	03.60	34.925	27.79		1487.4							

REFID 31 2704	YEAR 1975	SDTOP 03770	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 30	INST HANSEN CAST	TEN SQ 1306
CONSEC 0310	MONTH 11	SHIP MT	NET BULB 03.8	30 3 5	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LAT 44 19 N	DAY 19	DATA USE 1	BAROMETER 0992.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 31 W	MOOR 15.3	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X7	GRIG A3 06510	1 SQUARE 47

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNHPTM	SHD VEL	ORVG	PO4	TOT P	NO2	NO3	SIG3	PH
19.3	STD	00000	07.38	33.48	26.19	00.000	1478.6							
	OBS	00003	07.38	33.464	26.19		1478.6							
	STD	00010	07.35	33.50	26.21	00.018	1478.6							
	STD	00020	07.31	33.53	26.24	00.036	1478.7							
19.3	OBS	00029	07.28	33.555	26.27		1478.7							
	STD	00030	07.15	33.56	26.29	00.054	1478.2							
	STD	00050	05.00	33.65	26.63	00.088	1470.0							
19.3	OBS	00054	04.67	33.678	26.69		1468.8							
	STD	00075	03.62	33.87	26.95	00.117	1465.0							
19.3	OBS	00084	03.34	33.975	27.06		1464.1							
	STD	00100	03.13	34.21	27.27	00.142	1463.7							
19.3	OBS	00108	03.06	34.308	27.35		1463.7							
	STD	00125	03.12	34.38	27.40	00.161	1464.3							
	STD	00150	03.21	34.50	27.49	00.177	1465.3							
19.3	OBS	00163	03.25	34.555	27.53		1465.8							
	STD	00200	04.35	34.76	27.58	00.206	1471.3							
19.3	OBS	T00214	04.68	34.824	27.59		1473.0							
	STD	00250	04.36	34.83	27.63	00.232	1472.2							
	STD	00300	04.01	34.84	27.68	00.255	1471.6							
19.3	OBS	00327	03.91	34.856	27.70		1471.7							
	STD	00400	04.04	34.92	27.74	00.298	1473.5							
19.3	OBS	T00435	04.06	34.923	27.75		1474.2							
	STD	00500	03.97	34.93	27.76	00.339	1474.9							
19.3	OBS	00544	03.91	34.950	27.76		1475.4							
	STD	00600	03.84	34.94	27.77	00.378	1476.0							
19.3	OBS	T00653	03.78	34.941	27.78		1476.6							
	STD	00700	03.73	34.94	27.78	00.417	1477.2							
	STD	00800	03.65	34.93	27.78	00.456	1478.3							
19.3	OBS	T00876	03.60	34.920	27.79		1479.6							
	STD	00900	03.59											
	STD	01000	03.54											
19.3	OBS	T01094	03.51											
19.3	OBS	T01638	03.61	34.965	27.82		1482.4							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MOOD STATION DATA

REFID 31 2704 YEAR 1975 BOTOP 03669 AIR TEMP 05.0 DIR MGT PER WIND-DIR 33 INST HANSEN CAST TEN SO 1306
 CONSEC 0011 MONTH 11 SHIP HT MET BULB 02.7 33 1 4 WIND-SPD 25 TRACE DIR 5 SQUARE 2
 LA" 44 23 N DAY 19 DATA USE 1 BAROMETER 0992.9 SEA WIND-FOR DURATION 2 SQUARE 46
 LONG 047 54 W HOUR 22.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG A3 06511 1 SQUARE 47

CASHTIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHD VEL	DRYG	PO4	TCT P	NO2	NO3	SIO3	PH
22.2	STD	00000	08.02	33.45	26.07	00.000	1481.0							
	OBS	00000	08.02	33.448	26.07		1481.0							
	STD	00010	08.01	33.44	26.08	00.019	1481.1							
22.2	OBS	00019	08.01	33.463	26.09		1481.3							
	STD	00020	08.01	33.46	26.09	00.039	1481.3							
	STD	00030	07.97	33.47	26.10	00.058	1481.3							
22.2	OBS	00038	07.94	33.468	26.10		1481.3							
	STD	00050	06.29	33.51	26.36	00.054	1475.1							
22.2	OBS	00058	05.38	33.575	26.53		1471.6							
	STD	00075	05.91	33.86	26.91	00.130	1466.2							
22.2	OBS	00077	05.79	33.894	26.95		1465.7							
	STD	00100	05.81	34.31	27.28	00.154	1466.8							
22.2	OBS	00115	05.82	34.495	27.42		1467.3							
	STD	00125	05.77	34.53	27.46	00.172	1467.3							
	STD	00150	05.65	34.63	27.55	00.187	1467.4							
22.2	OBS	T00157	05.62	34.655	27.58		1467.4							
	STD	00200	04.46	34.87	27.65	00.213	1471.9							
22.2	OBS	00234	04.82	34.964	27.69		1474.1							
	STD	00250	04.78	34.87	27.69	00.236	1474.2							
	STD	00300	04.69	34.57	27.71	00.258	1474.6							
22.2	OBS	T00310	04.68	34.965	27.71		1474.8							
22.2	OBS	00391	04.41	34.996	27.74		1475.8							
	STD	00400	04.59	35.00	27.74	00.300	1475.9							
22.2	OBS	T00467	04.44	34.997	27.76		1476.4							
	STD	00500	04.24	34.98	27.76	00.340	1476.1							
	STD	00600	03.85	34.94	27.77	00.380	1476.0							
22.2	OBS	00620	03.81	34.931	27.77		1476.2							
	STD	00700	03.87	34.94	27.77	00.419	1477.8							
22.2	OBS	T00774	03.90	34.938	27.77		1479.2							
22.2	OBS	T01235	03.61	34.925	27.79		1485.6							

REFID 31 2704 YEAR 1975 BOTOP 02744 AIR TEMP 03.8 DIR MGT PER WIND-DIR 31 INST HANSEN CAST TEN SO 1306
 CONSEC 0012 MONTH 11 SHIP HT MET BULB 02.8 31 2 3 WIND-SPD 09 TRACE DIR 5 SQUARE 2
 LA" 44 23 N DAY 20 DATA USE 1 BAROMETER 0994.6 SEA WIND-FOR DURATION 2 SQUARE 46
 LONG 047 52 W HOUR 01.4 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X7 ORIG A3 06512 1 SQUARE 47

CASHTIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHD VEL	DRYG	PO4	TCT P	NO2	NO3	SIO3	PH
01.4	STD	00000	08.18	33.39	26.01	00.000	1481.5							
	OBS	00000	08.18	33.393	26.01		1481.5							
	STD	00010	08.17	33.39	26.01	00.020	1481.6							
	STD	00020	08.16	33.40	26.01	00.040	1481.8							
01.4	OBS	00025	08.15	33.398	26.02		1481.8							
	STD	00030	07.91	33.43	26.07	00.060	1481.0							
	STD	00050	06.46	33.69	26.48	00.095	1476.0							
01.4	OBS	00050	06.46	33.687	26.48		1476.0							
	STD	00075	05.57	34.35	27.33	00.124	1465.4							
01.4	OBS	00075	05.57	34.348	27.33		1465.4							
	STD	00100	05.65	34.47	27.43	00.142	1466.3							
01.4	OBS	00100	05.65	34.474	27.43		1466.3							
	STD	00125	05.81	34.54	27.48	00.158	1467.5							
	STD	00150	05.99	34.65	27.53	00.173	1468.8							
01.4	OBS	00150	05.99	34.648	27.53		1468.8							
	STD	00200	04.45	34.84	27.63	00.200	1471.8							
01.4	OBS	T00205	04.48	34.845	27.64		1472.0							
	STD	00250	04.38	34.87	27.67	00.244	1472.4							
	STD	00300	04.28	34.89	27.69	00.267	1472.8							
01.4	OBS	00305	04.27	34.893	27.69		1472.9							
	STD	00400	04.12	34.90	27.71	00.291	1473.8							
01.4	OBS	T00405	04.12	34.897	27.71		1473.9							
	STD	00500	04.14	34.95	27.75	00.332	1475.6							
01.4	OBS	00510	04.14	34.953	27.76		1475.8							
	STD	00600	04.00	34.94	27.76	00.373	1476.7							
01.4	OBS	T00610	03.98	34.944	27.77		1476.8							
	STD	00700	03.82	34.94	27.78	00.413	1477.6							
	STD	00800	05.71	34.93	27.78	00.452	1478.8							
01.4	OBS	T00810	05.70	34.932	27.78		1478.9							
	STD	00900	05.71	34.93	27.78	00.492	1480.4							
	STD	01000	05.72	34.92	27.78	00.534	1482.1							
01.4	OBS	T01015	05.72	34.924	27.78		1482.4							
01.4	OBS	T01525	05.94	34.953	27.82		1490.2							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MODC STATION DATA

REFID 31 2704	YEAR 1975	BOTDP 03218	AIR TEMP 03.3	DIR HGT PER 29	WIND-DIR 29	INST MANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 11	SHIP MT	NET BULB 01.7	31 1 3	WIND-SPD 25	TRACE DIR	5 SQUARE 2
LAT 44 27 N	DAY 20	DATA USE 1	BAROMETER 0594.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 048 21 W	HOOR 04.0	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG A3 06513	1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.0	STD	00000	08.26	33.40	26.00	00.000	1481.8							
04.0	OBS	00000	08.26	33.367	26.00		1481.8							
04.0	STD	00010	08.25	33.40	26.00	00.020	1482.0							
04.0	STD	00020	08.24	33.40	26.00	00.040	1482.1							
04.0	OBS	00023	08.24	33.395	26.00		1482.1							
04.0	STD	00030	08.24	33.39	26.00	00.061	1482.2							
04.0	OBS	00046	08.23	33.393	26.00		1482.5							
04.0	STD	00050	07.86	33.42	26.07	00.100	1481.1							
04.0	OBS	00070	06.02	33.626	26.49		1476.5							
04.0	STD	00075	05.46	33.72	26.63	00.143	1472.4							
04.0	OBS	00093	03.94	34.025	27.04		1466.8							
04.0	STD	00100	03.88	34.13	27.13	00.172	1466.8							
04.0	STD	00125	03.73	34.43	27.38	00.193	1467.0							
04.0	OBS	00140	03.68	34.551	27.48		1467.2							
04.0	STD	00150	03.69	34.58	27.51	00.210	1467.4							
04.0	OBS	T00192	03.73	34.687	27.59		1468.5							
04.0	STD	00200	03.73	34.70	27.60	00.238	1468.6							
04.0	STD	00250	03.81	34.79	27.66	00.262	1469.9							
04.0	OBS	00288	03.94	34.848	27.69		1471.1							
04.0	STD	00300	04.07	34.87	27.70	00.285	1471.6							
04.0	OBS	T00384	04.58	34.980	27.73		1475.6							
04.0	STD	00400	04.51	34.97	27.73	00.327	1475.6							
04.0	OBS	00486	04.19	34.941	27.74		1475.6							
04.0	STD	00500	04.13	34.94	27.74	00.365	1475.6							
04.0	OBS	00584	03.88	34.915	27.76		1475.9							
04.0	STD	00600	03.88	34.92	27.76	00.410	1476.2							
04.0	STD	00700	03.69	34.93	27.77	00.451	1477.9							
04.0	OBS	T00781	03.90	34.935	27.77		1479.3							
04.0	STD	00800	03.89	34.94	27.77	00.492	1479.5							
04.0	STD	00900	03.81	34.93	27.77	00.533	1480.9							
04.0	OBS	T00985	03.76	34.932	27.78		1482.1							
04.0	OBS	01494	03.57	34.935	27.80		1489.8							

REFID 31 2704	YEAR 1975	BOTDP 02950	AIR TEMP 03.3	DIR HGT PER 29	WIND-DIR 29	INST MANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 11	SHIP MT	NET BULB 01.7	31 1 4	WIND-SPD 19	TRACE DIR	5 SQUARE 2
LAT 44 31 W	DAY 20	DATA USE 1	BAROMETER 0594.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 36 W	HOOR 04.4	AREA 05	CLOUD T/A 3/4	CL/TR	WEATHER X1	ORIG A3 06514	1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.4	STD	03000	07.77	33.41	26.09	00.000	1480.0							
06.4	OBS	03000	07.77	33.415	26.09		1480.0							
06.4	STD	00010	07.74	33.41	26.09	00.019	1480.1							
06.4	OBS	00019	07.75	33.415	26.09		1480.2							
06.4	STD	00020	07.75	33.42	26.09	00.039	1480.2							
06.4	STD	00030	07.75	33.42	26.09	00.058	1480.4							
06.4	OBS	00037	07.75	33.418	26.09		1480.5							
06.4	STD	00050	06.60	33.57	26.37	00.094	1476.4							
06.4	OBS	00055	06.07	33.648	26.50		1474.5							
06.4	OBS	00074	03.61	34.090	27.12		1465.2							
06.4	STD	00075	03.68	34.12	27.14	00.127	1465.6							
06.4	STD	00100	05.04	34.63	27.39	00.148	1472.4							
06.4	OBS	00112	05.43	34.778	27.47		1474.3							
06.4	STD	00125	05.40	34.80	27.49	00.164	1474.5							
06.4	STD	00150	05.32	34.85	27.54	00.179	1476.6							
06.4	OBS	T00152	05.31	34.850	27.54		1476.6							
06.4	STD	00200	04.94	34.89	27.61	00.204	1473.9							
06.4	OBS	00224	04.82	34.904	27.64		1473.9							
06.4	STD	00250	04.82	34.92	27.65	00.231	1474.3							
06.4	STD	00300	04.82	34.95	27.67	00.254	1475.1							
06.4	OBS	T00301	04.82	34.946	27.67		1475.2							
06.4	OBS	00378	04.59	34.953	27.71		1475.5							
06.4	STD	00400	04.59	34.97	27.72	00.299	1475.9							
06.4	OBS	T00452	04.60	34.983	27.73		1476.8							
06.4	STD	00500	04.35	34.96	27.74	00.342	1476.5							
06.4	STD	00600	03.57	34.92	27.75	00.384	1476.5							
06.4	OBS	00602	03.56	34.922	27.75		1476.5							
06.4	STD	00700	03.81	34.91	27.76	00.425	1477.5							
06.4	OBS	00769	03.72	34.907	27.76		1478.2							
06.4	OBS	T01191	03.48	34.904	27.78		1486.3							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704 YEAR 1975 BOTDP 01760 AIR TEMP 01.6 DIR HGT PER WIND-DIR 27 INST HANSEN CAST TEN SQ 1306
 CONSEC 0013 MONTH 11 SHIP MT WET BULB 01.1 30 1 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2
 LAT 44 35 N DAY 20 DATA USE 1 BAROMETR 0997.3 SEA WIND-FOR DURATION 2 SQUARE 48
 LONG 048 46 W HOUR 06.5 AREA 05 CLOUD T/A X/8 CL/TR WEATHER X7 ORIG A3 06515 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXVG	PD4	TOT P	NO2	NO3	SIO3	PH
STD	00000	07.65	33.43	26.11	00.000	1479.5								
09.5 OBS	00000	07.65	33.431	26.11		1479.5								
STD	00010	07.64	33.43	26.12	00.019	1479.6								
STD	00020	07.62	33.43	26.12	00.038	1479.8								
09.5 OBS	00024	07.62	33.431	26.12		1479.8								
STD	00030	07.16	33.53	26.26	00.057	1478.2								
09.5 OBS	00049	05.93	33.803	26.64		1474.0								
STD	00050	05.89	33.82	26.65	00.088	1473.9								
09.5 OBS	00074	04.94												
STD	00075	04.79	34.11	27.02	00.119	1470.2								
09.5 OBS	00098	03.86	34.331	27.25		1467.0								
STD	00100	03.86	34.34	27.30	00.142	1467.0								
STD	00125	03.80	34.44	27.38	00.161	1467.3								
STD	00150	03.75	34.52	27.45	00.178	1467.6								
STD	00200	03.64	34.66	27.57	00.208	1468.2								
09.5 OBS	T00202	03.64	34.662	27.58		1468.2								
STD	00250	03.71	34.73	27.62	00.234	1469.4								
STD	00300	03.85	34.80	27.66	00.258	1470.9								
09.5 OBS	00301	03.85	34.800	27.66		1470.9								
STD	00400	04.35	34.93	27.71	00.303	1474.8								
09.5 OBS	T00401	04.36	34.926	27.71		1474.9								
STD	00500	03.58	34.84	27.72	00.346	1473.1								
09.5 OBS	00504	03.56	34.837	27.72		1473.1								
STD	00600	03.48	34.83	27.73	00.389	1474.3								
09.5 OBS	T00603	03.48	34.834	27.73		1474.4								
STD	00700	03.47	34.85	27.74	00.432	1476.0								
STD	00800	03.45	34.85	27.75	00.474	1477.6								
09.5 OBS	00801	03.45	34.855	27.75		1477.6								
STD	00900	03.35	34.85	27.75	00.517	1478.8								
STD	C1000	03.27	34.84	27.76	00.555	1480.1								
09.5 OBS	T01004	03.27	34.844	27.76		1480.2								
09.5 OBS	T01682	03.45	34.894	27.78		1482.4								

REFID 31 2704 YEAR 1975 BOTDP 00081 AIR TEMP 02.8 DIR HGT PER WIND-DIR 29 INST HANSEN CAST TEN SQ 1306
 CONSEC 0014 MONTH 11 SHIP MT WET BULB 01.7 30 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2
 LAT 44 34 N DAY 20 DATA USE 1 BAROMETR 0998.3 SEA WIND-FOR DURATION 2 SQUARE 48
 LONG 049 06 W HOUR 14.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG A3 06516 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXVG	PD4	TOT P	NO2	NO3	SIO3	PH
STD	00000	02.17	33.25	26.58	00.000	1456.6								
14.8 OBS	00000	02.17	33.251	26.58		1456.6								
STD	00010	02.11	33.53	26.61	00.014	1456.5								
STD	00020	01.98	33.72	26.67	00.025	1456.8								
14.8 OBS	00025	01.85	33.786	27.03		1456.5								
STD	00030	01.74	33.79	27.05	00.036	1456.0								
STD	00050	01.14	33.81	27.10	00.056	1453.6								
14.8 OBS	00050	01.14	33.811	27.10		1453.6								
14.8 OBS	00070	00.51	33.872	27.19		1451.2								

REFID 31 2704 YEAR 1975 BOTDP 00058 AIR TEMP 02.2 DIR HGT PER WIND-DIR 30 INST HANSEN CAST TEN SQ 1306
 CONSEC 0017 MONTH 11 SHIP MT WET BULB 01.2 30 4 3 WIND-SPD 18 TRACE DIR 5 SQUARE 2
 LAT 44 34 N DAY 20 DATA USE 1 BAROMETR 0998.6 SEA WIND-FOR DURATION 2 SQUARE 48
 LONG 049 16 W HOUR 23.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG A3 06517 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	QXVG	PD4	TOT P	NO2	NO3	SIO3	PH
STD	00000	01.78	33.37	26.71	00.000	1455.1								
OBS	00000	01.78	33.374	26.71		1455.1								
STD	00010	01.72	33.39	26.73	00.013	1455.0								
STD	00020	01.65	33.43	26.77	00.024	1454.9								
OBS	00025	01.61	33.466	26.75		1454.8								
STD	00030	01.57	33.49	26.82	00.039	1454.8								
STD	00050	01.37	33.47	26.98	00.062	1454.5								
OBS	00050	01.37	33.471	26.98		1454.5								

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2705 YEAR 1975 BOTOP 00058 AIR TEMP 05.5 DIR MGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1307
 CONSEC 0301 MONTH 11 S-IP MT WET BULB 03.9 28 5 X WIND-SPD 30 TRACE DIR 5 SQUARE 1
 LAT 43 10 N DAY 20 DATA USE 1 BAROMETER 1005.4 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 15 W HOUR 23.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X7 ORIG A4 03301 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.3	STD	00000	06.99	32.51	25.48	00.000	1475.7							
	OBS	00000	06.99	32.512	25.48		1475.7							
	STD	00010	06.99	32.51	25.48	00.025	1475.9							
	STD	00020	06.99	32.51	25.48	00.050	1476.1							
23.3	OBS	00025	06.99	32.505	25.48		1476.1							
	STD	00030	06.51	32.55	25.58	00.075	1474.4							
	STD	00050	03.01	32.67	26.21	00.117	1460.6							
23.3	OBS	00050	03.01	32.665	26.21		1460.6							

REFID 31 2705 YEAR 1975 BOTOP 00093 AIR TEMP 06.1 DIR MGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1307
 CONSEC 0002 MONTH 11 S-IP MT WET BULB 03.9 29 4 2 WIND-SPD 30 TRACE DIR 5 SQUARE 1
 LAT 43 01 N DAY 21 DATA USE 1 BAROMETER 1007.1 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 22 W HOUR 01.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG A4 03302 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.42	32.56	25.60	00.000	1473.5							
01.2	OBS	00000	06.42	32.558	25.60		1473.5							
	STD	00010	06.36	32.59	25.62	00.024	1473.5							
	STD	00020	06.30	32.61	25.65	00.047	1473.5							
01.2	OBS	00025	06.27	32.627	25.67		1473.4							
	STD	00030	05.76	32.73	25.81	00.070	1471.6							
	STD	00050	03.93	33.08	26.29	00.110	1464.8							
01.2	OBS	00050	03.63	33.076	26.29		1464.8							
01.2	OBS	00071	02.39	33.332	26.63		1458.9							

REFID 31 2705 YEAR 1975 BOTOP 00823 AIR TEMP 05.5 DIR MGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1307
 CONSEC 0003 MONTH 11 S-IP MT WET BULB 05.5 29 4 4 WIND-SPD 28 TRACE DIR 5 SQUARE 1
 LAT 42 49 N DAY 21 DATA USE 1 BAROMETER 1007.5 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 050 18 W HOUR 03.5 AREA 05 CLOUD T/A X/8 CL/TR WEATHER X7 ORIG A4 03303 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.95	33.79	26.04	00.000	1488.7							
03.5	OBS	00000	09.95	33.793	26.04		1488.7							
	STD	00010	09.93	33.78	26.03	00.020	1488.7							
	STD	00020	09.91	33.77	26.03	00.040	1488.8							
03.5	OBS	00023	09.90	33.769	26.03		1488.8							
	STD	00030	11.08	34.29	26.23	00.055	1493.9							
03.5	OBS	00046	12.78	35.150	26.57		1501.1							
	STD	00050	12.78	35.27	26.66	00.091	1501.3							
03.5	OBS	00069	12.77	35.570	26.90		1501.9							
	STD	00075	12.53	35.54	26.92	00.123	1501.2							
03.5	OBS	00092	11.55	35.396	27.00		1497.9							
	STD	00100	10.54	35.25	27.07	00.150	1494.3							
	STD	00125	07.81	34.87	27.22	00.174	1484.1							
03.5	OBS	00138	06.64	34.722	27.27		1479.5							
	STD	00150	05.82	34.65	27.32	00.195	1476.4							
03.5	OBS	T00190	03.64	34.470	27.42		1467.7							
	STD	00200	03.37	34.46	27.44	00.231	1466.8							
	STD	00250	02.29	34.41	27.50	00.263	1462.8							
03.5	OBS	T00282	01.81	34.392	27.52		1461.2							
	STD	00300	01.85	34.41	27.53	00.293	1461.7							
	STD	00400	02.16	34.50	27.58	00.348	1464.9							
03.5	OBS	T00472	02.45	34.560	27.60		1467.4							
	STD	00500	02.61	34.59	27.61	00.401	1468.6							
03.5	OBS	00565	02.92	34.645	27.63		1471.1							
	STD	00600	03.06	34.67	27.64	00.452	1472.3							
	STD	00700	03.34	34.75	27.68	00.501	1475.3							
03.5	OBS	T00741	03.41	34.782	27.69		1476.3							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2705	YEAR 1975	BOTOP 01628	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 32	INST HANSEN CAST	TEN SQ 1307
CONSEC 0004	MONTH 11	SHIP MT	WET BULB 05.0	30 4 3	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 42 40 N	DAY 21	DATA USE 1	BAROMETR 1010.2	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	MOOR 05.8	AREA 05	CLCUD T/A X/7	CL/TR	WEATHER X7	ORIG A4 03304	1 SQUARE 20

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	CRYG	PD4	TOT P	NO2	NO3	SIO3	PH
05.8	STD	00000	09.65	33.27	25.68	00.000	1486.9							
05.8	OBS	00000	09.63	33.264	25.68		1486.9							
05.8	STD	00010	09.32	33.25	25.72	00.023	1485.8							
05.8	STD	00020	08.99	33.24	25.76	00.046	1484.7							
05.8	OBS	00024		33.232										
05.8	STD	00030	08.67	33.25	25.82	00.068	1483.7							
05.8	OBS	00047	08.11	33.294	25.94		1481.9							
05.8	STD	00050	07.48	33.31	26.04	00.110	1479.5							
05.8	OBS	00071	04.62	33.552	26.59		1468.7							
05.8	STD	00075	04.60	33.65	26.68	00.152	1468.8							
05.8	OBS	00094	04.56	34.076	27.01		1469.5							
05.8	STD	00100	04.77	34.13	27.04	00.182	1470.5							
05.8	STD	00125	05.50	34.34	27.12	00.207	1474.2							
05.8	STD	00150	06.03	34.51	27.19	00.231	1477.0							
05.8	OBS	T00193	06.47	34.721	27.29		1479.8							
05.8	STD	00200	06.40	34.73	27.31	00.274	1479.6							
05.8	STD	00250	05.83	34.76	27.41	00.312	1478.2							
05.8	OBS	T00287	05.36	34.777	27.48		1476.9							
05.8	STD	00300	05.03	34.78	27.52	00.345	1475.8							
05.8	OBS	T00381	03.56	34.771	27.63		1472.7							
05.8	STD	00400	04.27	34.83	27.65	00.400	1474.3							
05.8	OBS	T00480	04.98	34.987	27.69		1478.6							
05.8	STD	00500	04.89	34.98	27.69	00.449	1478.8							
05.8	OBS	T00574	04.62	34.967	27.71		1478.9							
05.8	STD	00600	04.60	34.97	27.72	00.495	1479.2							
05.8	STD	00700	04.51	34.97	27.73	00.540	1480.5							
05.8	OBS	00763	04.42	34.968	27.74		1481.2							
05.8	STD	00800	04.33	34.96	27.74	00.585	1481.4							
05.8	STD	00900	04.11	34.95	27.76	00.630	1482.1							
05.8	OBS	00956	04.01	34.945	27.76		1482.6							
05.8	OBS	T01436	03.82	34.953	27.79		1489.9							

REFID 31 2705	YEAR 1975	BOTOP 02116	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 31	INST HANSEN CAST	TEN SQ 1307
CONSEC 0005	MONTH 11	SHIP MT	WET BULB 05.0	31 7 3	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 42 35 N	DAY 21	DATA USE 1	BAROMETR 1013.2	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 16 W	MOOR 08.1	AREA 05	CLOUD T/A B/5	CL/TR	WEATHER X1	ORIG A4 03305	1 SQUARE 20

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	CRYG	PD4	TOT P	NO2	NO3	SIO3	PH
08.1	STD	00000	10.15	33.00	25.39	00.000	1488.4							
08.1	OBS	00000	10.15	33.005	25.39		1488.4							
08.1	STD	00010	10.07	33.00	25.40	00.026	1488.2							
08.1	STD	00020	09.98	33.00	25.42	00.052	1488.1							
08.1	OBS	00024	09.95	32.996	25.42		1488.0							
08.1	STD	00030	08.98	33.03	25.60	00.077	1484.6							
08.1	OBS	00047	08.69	33.127	26.01		1478.1							
08.1	STD	00050	08.39	33.15	26.07	00.120	1475.0							
08.1	OBS	00071	04.64	33.341	26.42		1468.5							
08.1	STD	00075	04.41	33.38	26.48	00.164	1467.6							
08.1	OBS	00095	03.43	33.553	26.71		1464.0							
08.1	STD	00100	03.30	33.60	26.76	00.200	1463.6							
08.1	STD	00125	02.75	33.80	26.98	00.230	1462.0							
08.1	STD	00150	02.37	33.99	27.16	00.255	1461.0							
08.1	OBS	T00194	02.08	34.261	27.40		1460.8							
08.1	STD	00200	02.12	34.28	27.41	00.296	1461.1							
08.1	STD	00250	02.02	34.47	27.51	00.328	1464.3							
08.1	OBS	T00289	03.16	34.608	27.58		1467.5							
08.1	STD	00300	03.50	34.66	27.59	00.356	1469.2							
08.1	OBS	T00383	05.03	34.951	27.65		1477.4							
08.1	STD	00400	04.90	34.95	27.67	00.406	1477.1							
08.1	OBS	T00483	04.48	34.958	27.72		1476.8							
08.1	STD	00500	04.47	34.96	27.73	00.452	1477.0							
08.1	OBS	T00578	04.42	34.971	27.74		1478.1							
08.1	STD	00600	04.40	34.97	27.74	00.495	1478.4							
08.1	STD	00700	04.30	34.96	27.75	00.538	1479.6							
08.1	OBS	T00767	04.24	34.961	27.75		1480.5							
08.1	STD	00800	04.22	34.96	27.75	00.582	1481.0							
08.1	STD	00900	04.17	34.97	27.76	00.625	1482.4							
08.1	OBS	T00961	04.13	34.970	27.77		1483.3							
08.1	OBS	T01444	03.75	34.938	27.78		1489.7							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MOOC STATION DATA

REFID 31 2705	YEAR 1975	BOTDP 03301	AIR TEMP 09.4	DIA HGT PER	WIND-DIR 29	INST HANSEN CAST	TEN SQ 1307
CONSEC 0006	MONTH 11	SHIP MT	WET BULB 08.0	29 4 4	WIND-SPD 23	TRACE DIR	5 SQUARE 1
LAT 42 08 N	DAY 21	DATA USE 1	BAROMETER 1015.2	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 17 W	MOOR 12.3	AREA 05	CLOUD T/A 3/1	CL/TR	WEATHER X1	ORIG A4 03306	1 SQUARE 20

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXVC	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	STD	00000	09.59	33.08	25.55	00.000	1486.4							
	OBS	00000	09.59	33.085	25.55		1486.4							
	STD	00010	09.60	33.08	25.54	00.025	1486.6							
12.3	OBS	00019	09.60	33.076	25.54		1486.8							
	STD	00020	10.00	33.16	25.53	00.045	1488.3							
	STD	00030	12.53	33.78	25.56	00.074	1490.2							
12.3	OBS	00038	12.66	34.051	25.74		1499.2							
	STD	00050	07.83	33.98	26.52	00.113	1481.8							
12.3	OBS	00054	06.81	33.940	26.63		1477.8							
12.3	OBS	00074	09.34	34.021	26.94		1488.9							
	STD	00075	09.29	34.01	26.95	00.147	1488.8							
	STD	00100	08.29	34.69	27.01	00.174	1485.2							
	STD	00125	07.55	34.62	27.06	00.201	1482.8							
12.3	OBS	T00148	07.12	34.605	27.11		1481.4							
	STD	00150	07.12	34.62	27.12	00.224	1481.5							
	STD	00200	07.21	34.81	27.26	00.271	1482.9							
12.3	OBS	00218	07.24	34.834	27.28		1483.4							
	STD	00250	06.38	34.72	27.30	00.313	1480.3							
12.3	OBS	T00287	05.76	34.683	27.35		1478.4							
	STD	00300	05.74	34.74	27.40	00.352	1478.6							
12.3	OBS	00354	05.66	34.875	27.52		1479.4							
	STD	00400	04.72	34.80	27.57	00.416	1476.2							
12.3	OBS	T00415	04.46	34.788	27.59		1475.4							
	STD	00500	04.84	34.92	27.65	00.470	1478.5							
12.3	OBS	00555	04.92	34.975	27.69		1479.8							
	STD	00600	04.74	34.67	27.70	00.515	1479.8							
	STD	00700	04.39	34.95	27.72	00.565	1480.0							
12.3	OBS	T00703	04.38	34.947	27.72		1480.0							
	STD	00800	04.10	34.63	27.74	00.610	1480.4							
	STD	00900	03.88	34.91	27.75	00.655	1481.1							
	STD	01000	03.72	34.60	27.76	00.695	1482.1							
	STD	01100	03.62	34.88	27.75	00.743	1483.3							
12.3	OBS	T01103	03.62	34.882	27.75		1483.4							

REFID 31 2705	YEAR 1975	BOTDP 02928	AIR TEMP 11.1	DIA HGT PER	WIND-DIR 31	INST HANSEN CAST	TEN SQ 1307
CONSEC 0007	MONTH 11	SHIP MT	WET BULB 09.4	29 4 2	WIND-SPD 16	TRACE DIR	5 SQUARE 1
LAT 41 49 N	DAY 21	DATA USE 1	BAROMETER 1017.9	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 18 W	MOOR 15.3	AREA 05	CLOUD T/A	CL/TP	WEATHER X0	ORIG A4 03307	1 SQUARE 10

CASHTIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXVC	PO4	TOT P	NO2	NO3	SIO3	PH
15.3	STD	00000		33.61										
	OBS	00000		33.608										
	STD	00010		33.61										
	STD	00020		33.61										
15.3	OBS	00022	11.34	33.607	25.65		1493.8							
	STD	00030	12.90	34.03	25.68		1499.8							
15.3	OBS	00044	14.74	34.747	25.85		1507.0							
	STD	00050	15.13	35.17	26.09		1508.8							
15.3	OBS	00066	15.41	35.84C	26.55		1510.8							
	STD	00075	14.78	35.76	26.63		1508.8							
15.3	OBS	00088	13.95	35.668	26.73		1506.3							
	STD	00100	13.77	35.65	26.76		1505.9							
	STD	00125	13.39	35.62	26.81		1505.0							
	STD	00150	12.99	35.58	26.86		1504.0							
15.3	OBS	T00180	12.50	35.530	26.92		1502.8							
	STD	00200	12.20	35.49	26.95		1502.1							
	STD	00250	11.31	35.39	27.04		1499.7							
15.3	OBS	T00271	10.87	35.342	27.08		1498.4							
	STD	00300	10.06	35.24	27.15		1495.6							
15.3	OBS	T00363	08.48	35.077	27.28		1490.6							
	STD	00400	07.65	35.03	27.37		1488.2							
15.3	OBS	T00461	06.56	34.974	27.48		1484.9							
	STD	00500	06.08	34.97	27.54		1483.6							
15.3	OBS	T00554	05.55	34.973	27.61		1482.3							
	STD	00600	05.38	34.97	27.63		1482.4							
	STD	00700	05.00	34.97	27.68		1482.5							
15.3	OBS	T00743	04.82	34.974	27.70		1482.5							
	STD	00800	04.52	34.95	27.71		1482.2							
	STD	00900	04.09	34.91	27.72		1482.0							
15.3	OBS	00939	03.95	34.893	27.73		1482.0							
15.3	OBS	T01440	03.64	34.894	27.76		1489.1							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODE STATION DATA

REFID 31 2705	YEAR 1975	BOTOP 01045	AIR TEMP 15.6	DIR MET PER	WIND-DIR 35	INST HANSEN CAST	TEN SO 1307
CONSEC 0008	MONTH 11	SHIP MT	WET SULF 13.3	30 2 X	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 41 21 N	DAY 21	DATA USE 1	BAROMETER 1028.4	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 21 W	HOUR 15.0	AREA 05	CLUD T/A 8/1	CL/TR	WEATHER X1	DRIG A4 03308	1 SQUARE 10

CASHTUN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	DRVC	PO4	TOT P	Q02	Q03	ST03	PH
19.0	STD	00000	14.89	34.67	25.76	00.000	1506.4							
	DBS	00000	14.89	34.672	25.76		1506.6							
	STD	00010	16.03	35.06	25.81	00.022	1510.6							
	STD	00020	16.07	35.36	25.84	00.044	1513.9							
19.0	DBS	00023	17.07	35.424	25.84		1516.6							
	STD	00030	17.33	35.52	25.85	00.066	1515.6							
19.0	DBS	00044	17.70	35.636	25.87		1517.2							
	STD	00050	17.70	35.66	25.87	00.109	1517.2							
19.0	DBS	00069	17.68	35.667	25.88		1517.5							
	STD	00073	17.52	35.82	26.04	00.161	1517.5							
19.0	DBS	00092	17.02	36.140	26.40		1516.5							
	STD	00100	16.71	36.11	26.45	00.206	1515.7							
	STD	00125	15.83	36.03	26.60	00.245	1513.3							
19.0	DBS	00143	15.25	35.963	26.68		1511.7							
	STD	00150	15.05	35.93	26.70	00.281	1511.2							
19.0	DBS	T00188	14.02	35.778	26.80		1508.3							
	STD	00200	13.70	35.74	26.84	00.348	1507.4							
	STD	00250	12.44	35.58	26.96	00.410	1503.6							
19.0	DBS	00275	11.81	35.493	27.03		1502.0							
	STD	00300	11.45	35.46	27.05	00.466	1501.0							
19.0	DBS	T00371	10.07	35.275	27.17		1497.1							
	STD	00400	08.34	35.20	27.24	00.567	1496.6							
19.0	DBS	00467	07.80	35.061	27.37		1495.5							
	STD	00500	07.04	35.00	27.43	00.650	1497.4							
19.0	DBS	00559	05.99	34.924	27.52		1494.1							
	STD	00600	05.86	34.96	27.56	00.718	1494.4							
	STD	00700	05.46	35.00	27.64	00.776	1494.4							
19.0	DBS	00742	05.24	34.997	27.67		1494.2							
	STD	00800	04.77	34.96	27.65	00.829	1493.2							
	STD	00900	04.12	34.90	27.72	00.878	1492.1							
19.0	DBS	T00929	03.57	34.890	27.72		1491.9							
19.0	DBS	T01397	03.83	34.925	27.77		1495.2							

REFID 31 2705	YEAR 1975	BOTOP 02040	AIR TEMP 15.0	DIR MET PER	WIND-DIR 32	INST HANSEN CAST	TEN SO 1307
CONSEC 0009	MONTH 11	SHIP MT	WET SULF 12.8	27 2 4	WIND-SPD 13	TRACE DIR	5 SQUARE 1
LAT 40 30 N	DAY 21	DATA USE 1	BAROMETER 1025.7	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 10 W	HOUR 22.0	AREA 05	CLUD T/A 8/1	CL/TR	WEATHER X0	DRIG A4 03306	1 SQUARE 00

CASHTUN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DWDEPTH	SND VEL	DRVC	PO4	TOT P	Q02	Q03	ST03	PH
22.0	STD	00000	16.35	35.38	25.97	00.000	1512.0							
	DBS	00000	16.35	35.375	25.97		1512.0							
	STD	00010	16.33	35.38	25.98	00.020	1512.2							
	STD	00020	16.32	35.38	25.98	00.041	1512.3							
22.0	DBS	00025	16.31	35.377	25.98		1512.3							
	STD	00030	16.42	35.43	26.00	00.061	1512.8							
	STD	00050	16.67	35.57	26.05	00.101	1514.1							
22.0	DBS	00050	16.67	35.570	26.05		1514.1							
	STD	00075	16.60	35.57	26.06	00.151	1514.3							
22.0	DBS	00075	16.60	35.568	26.06		1514.3							
	STD	00100	16.68	35.58	26.06	00.201	1514.9							
22.0	DBS	00100	16.68	35.584	26.06		1514.9							
	STD	00125	16.34	35.53	26.09	00.250	1516.3							
	STD	00150	15.95	35.47	26.14	00.299	1515.4							
22.0	DBS	00150		35.449										
	STD	00200	14.91	35.94	26.72	00.382	1511.7							
22.0	DBS	T00205	14.84	35.956	26.76		1511.3							
	STD	00250	13.54	35.73	26.86	00.449	1507.7							
	STD	00300	12.26	35.53	26.97	00.510	1504.0							
22.0	DBS	00304	12.17	35.518	26.98		1503.7							
	STD	00400	10.34	35.34	27.17	00.618	1498.6							
22.0	DBS	T00404	10.26	35.327	27.18		1498.4							
	STD	00500	08.28	35.11	27.34	00.710	1492.4							
22.0	DBS	T00509	08.12	35.102	27.36		1491.9							
	STD	00600	06.73	35.04	27.52	00.785	1487.9							
22.0	DBS	00608	06.63	35.033	27.53		1487.7							
	STD	00700	05.85	35.03	27.62	00.847	1486.0							
	STD	00800	05.17	35.01	27.68	00.902	1484.9							
22.0	DBS	T00808	05.12	35.005	27.65		1484.8							
	STD	00900	04.71	34.98	27.71	00.953	1484.7							
	STD	01000	04.36	34.95	27.73	01.002	1484.8							
22.0	DBS	T01012	04.22	34.948	27.73		1484.9							
22.0	DBS	T01321	03.93	34.948	27.77		1491.0							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NOOC STATION DATA

REFID 31 2705 YEAR 1975 BOTOP 04076 AIR TEMP 17.8 DIR 12T PER WIND-DIR 12 INST HANSEN CAST TEN SO 1207
 CONSEC 0010 MONTH 11 SHIP MT WET BULB 16.1 20 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 1
 LAT 43 21 N DAY 22 DATA USE 1 BAROMETER 1028.4 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80
 LONG 050 20 W HOUR 01.6 AREA 05 CLOUD T/A X/2 WEATHER X1 ORIG A4 03310 1 SQUARE 00

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TCT P	NO2	NO3	SIG3	PH
01.6	STD	00000	18.32	35.64	25.70	00.000	1518.2							
01.6	085	00000	18.32	35.637	25.70		1518.2							
01.6	STD	00010	18.34	35.63	25.69	00.023	1518.4							
01.6	STD	00020	18.36	35.63	25.68	00.046	1518.6							
01.6	085	00024	18.36	35.631	25.68		1518.7							
01.6	STD	00030	18.37	35.63	25.68	00.070	1518.8							
01.6	085	00048	18.37	35.634	25.68		1519.1							
01.6	STD	00050	18.37	35.64	25.68	00.114	1519.1							
01.6	085	00072	18.34	35.629	25.69		1519.4							
01.6	STD	00075	18.15	35.58	25.65	00.174	1518.8							
01.6	085	00093	17.14	35.390	25.80		1516.0							
01.6	STD	00100	17.10	35.52	25.91	00.230	1516.1							
01.6	STD	00125	16.93	36.01	26.32	00.275	1516.6							
01.6	085	00143	16.80	36.175	26.48		1516.7							
01.6	STD	00150	16.40	36.11	26.53	00.320	1515.6							
01.6	085	T00196	14.28	35.785	26.75		1509.3							
01.6	STD	00200	14.21	35.77	26.76	00.393	1509.1							
01.6	STD	00250	13.30	35.63	26.84	00.460	1506.8							
01.6	085	T00290	12.49	35.537	26.93		1504.4							
01.6	STD	00300	12.25	35.52	26.96	00.521	1503.9							
01.6	085	T00385	10.25	35.358	27.21		1498.1							
01.6	STD	00400	09.78	35.29	27.23	00.627	1496.5							
01.6	085	T00485	07.40	35.051	27.35		1490.6							
01.6	STD	00500	07.84	35.07	27.37	00.714	1490.6							
01.6	085	T00586	07.37	35.118	27.48		1490.2							
01.6	STD	00600	07.08	35.10	27.50	00.788	1489.4							
01.6	STD	00700	05.90	35.02	27.60	00.852	1486.2							
01.6	085	00770	05.31	34.987	27.65		1485.0							
01.6	STD	00800	05.21	34.99	27.66	00.909	1485.1							
01.6	STD	00900	04.61	34.99	27.70	00.962	1485.5							
01.6	085	00965	04.74	34.984	27.71		1485.5							
01.6	085	T01450	04.08	34.950	27.76		1491.2							

REFID 31 2705 YEAR 1975 BOTOP 03970 AIR TEMP 17.8 DIR 12T PER WIND-DIR 12 INST HANSEN CAST TEN SO 1207
 CONSEC 0011 MONTH 11 SHIP MT WET BULB 16.1 20 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 3
 LAT 39 42 N DAY 22 DATA USE 1 BAROMETER 1028.4 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80
 LONG 050 18 W HOUR 06.0 AREA 05 CLOUD T/A X/6 WEATHER X1 ORIG A4 03311 1 SQUARE 90

CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVG	PO4	TOT P	NO2	NO3	SIG3	PH
06.0	STD	00000	17.56	35.51	25.79	00.000	1515.8							
06.0	085	00000	17.56	35.510	25.79		1515.8							
06.0	STD	00010	17.36	35.47	25.80	00.022	1515.3							
06.0	STD	00020	17.23	35.44	25.81	00.046	1515.1							
06.0	085	00024	17.19	35.428	25.81		1515.0							
06.0	STD	00030	17.20	35.43	25.81	00.066	1515.1							
06.0	085	00048	17.20	35.426	25.81		1515.4							
06.0	STD	00050	17.19	35.43	25.81	00.110	1515.5							
06.0	085	00073	17.14	35.434	25.83		1515.7							
06.0	STD	00075	17.17	35.43	25.82	00.166	1515.8							
06.0	085	00097	17.19	35.428	25.81		1516.2							
06.0	STD	00100	17.17	35.43	25.82	00.221	1516.2							
06.0	STD	00125	16.93	35.43	25.88	00.276	1515.9							
06.0	085	00146		35.431										
06.0	STD	00150	16.65	35.50	25.99	00.325	1515.6							
06.0	085	T00198	15.48	36.034	26.56		1515.0							
06.0	STD	00200	15.45	36.03	26.57	00.415	1514.9							
06.0	STD	00250	15.03	35.94	26.71	00.493	1512.7							
06.0	085	00295	14.10	35.823	26.82		1510.4							
06.0	STD	00300	13.98	35.80	26.83	00.562	1510.0							
06.0	085	T00391	11.75	35.472	27.02		1503.6							
06.0	STD	00400	11.50	35.44	27.04	00.684	1502.8							
06.0	085	T00493	09.26	35.184	27.24		1496.0							
06.0	STD	00500	09.13	35.18	27.25	00.786	1495.6							
06.0	085	00590	07.63	35.091	27.42		1491.3							
06.0	STD	00600	07.52	35.09	27.44	00.871	1491.1							
06.0	STD	00700	06.56	35.09	27.57	00.940	1489.0							
06.0	085	T00783	05.60	35.091	27.66		1487.7							
06.0	STD	00800	05.76											
06.0	STD	00900	05.23											
06.0	085	T00981	04.85											
06.0	085	01473	04.14											

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MODC STATION DATA

REFID 31 2705 YEAR 1975 BOTOP 05222 AIR TEMP 22.8 DIR HGT PER WIND-DIR 20 INST HANSEN CAST TEN SO 1207
 CONSEC 0012 MONTH 11 SHIP MT MET BULB 20.0 20 2 X WIND-SPD 24 TRACE DIR 5 SQUARE 3
 LAT 39 20 N DAY 22 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 80
 LONG 090 20 W HOUR 09.5 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG A4 03312 1 SQUARE 90

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
09.5	STD	00000	22.19	34.32	25.15	00.000	1529.4							
09.5	OBS	00000	22.19	34.321	25.19		1529.4							
09.5	STD	00010	22.23	34.32	25.18	00.028	1529.7							
09.5	OBS	00020	22.24	34.33	25.18	00.054	1529.9							
09.5	STD	00024	22.24	34.327	25.18		1530.0							
09.5	OBS	00030	22.22	34.33	25.18	00.084	1530.0							
09.5	STD	00048	22.17	34.324	25.20		1530.2							
09.5	OBS	00050	22.14	34.32	25.20	00.140	1530.1							
09.5	STD	00071	21.87	34.295	25.26		1529.8							
09.5	OBS	00075	21.83	34.30	25.27	00.209	1529.7							
09.5	STD	00096	21.34	34.332	25.38		1529.4							
09.5	OBS	00100	21.44	34.36	25.43	00.274	1529.2							
09.5	STD	00125	20.81	34.51	25.72	00.338	1528.1							
09.5	OBS	00142	20.41	34.571	25.87		1527.4							
09.5	STD	00150	20.21	34.56	25.91	00.394	1527.0							
09.5	OBS	T00195	19.27	34.502	26.12		1525.1							
09.5	STD	00200	19.22	34.50	26.13	00.497	1525.0							
09.5	OBS	00250	18.49	34.48	26.25	00.553	1524.4							
09.5	STD	T00287	18.27	34.457	26.34		1523.7							
09.5	OBS	00300	18.12	34.45	26.37	00.683	1523.5							
09.5	STD	T00378	17.11	34.338	26.53		1521.7							
09.5	OBS	00400	16.88	34.30	26.56	00.853	1521.3							
09.5	STD	T00473	15.48	34.102	26.49		1518.4							
09.5	OBS	00300	14.93	35.97	26.75	01.007	1516.6							
09.5	STD	T00560	13.37	35.714	26.89		1512.2							
09.5	OBS	00400	12.41	35.57	26.97	01.142	1509.4							
09.5	STD	00700	10.23	35.30	27.16	01.257	1503.1							
09.5	OBS	T00727	09.70	35.243	27.21		1501.6							
09.5	STD	00800	08.37	35.15	27.36	01.355	1497.7							
09.5	OBS	00855	06.94	35.055	27.50		1493.6							
09.5	STD	00900	04.51	35.04	27.50	01.435	1493.4							
09.5	OBS	01000	04.34	35.05	27.57	01.504	1493.0							
09.5	STD	01100	05.78	35.03	27.63	01.571	1492.4							
09.5	OBS	01200	05.21	35.02	27.69	01.630	1491.8							
09.5	STD	T01283	04.74	35.004	27.73		1491.2							

REFID 31 2705 YEAR 1975 BOTOP 05221 AIR TEMP 20.5 DIR HGT PER WIND-DIR 17 INST HANSEN CAST TEN SO 1207
 CONSEC 0013 MONTH 11 SHIP MT MET BULB 18.3 20 0 2 WIND-SPD 11 TRACE DIR 5 SQUARE 3
 LAT 39 50 N DAY 22 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 80
 LONG 090 20 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG A4 03313 1 SQUARE 90

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORVC	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	STD	00000	21.49	34.41	25.45	00.000	1527.8							
12.9	OBS	00000	21.49	34.414	25.45		1527.8							
12.9	STD	00010	21.49	34.42	25.46	00.025	1527.9							
12.9	OBS	00020	21.49	34.42	25.46	00.051	1528.1							
12.9	STD	00023	21.49	34.421	25.46		1528.1							
12.9	OBS	00030	21.48	34.42	25.46	00.076	1528.2							
12.9	STD	00047	21.45	34.423	25.47		1528.4							
12.9	OBS	00050	21.43	34.42	25.48	00.127	1528.4							
12.9	STD	00070	21.36	34.427	25.50		1528.6							
12.9	OBS	00075	21.36	34.43	25.50	00.160	1528.7							
12.9	STD	00094	21.35	34.434	25.51		1529.0							
12.9	OBS	00100	21.19	34.45	25.56	00.252	1528.7							
12.9	STD	00125	20.54	34.49	25.77	00.312	1527.4							
12.9	OBS	00142	20.12	34.500	25.89		1526.5							
12.9	STD	00150	19.89	34.49	25.95	00.367	1526.1							
12.9	OBS	00192	18.94	34.457	26.17		1524.1							
12.9	STD	00200	18.87	34.45	26.18	00.448	1524.0							
12.9	OBS	00250	18.51	34.44	26.26	00.562	1523.8							
12.9	STD	00286	18.28	34.427	26.31		1523.7							
12.9	OBS	00300	18.23	34.42	26.32	00.654	1523.8							
12.9	STD	T00379	17.85	34.390	26.39		1523.9							
12.9	OBS	00400	17.71	34.39	26.42	00.832	1523.9							
12.9	STD	T00478	17.19	34.345	26.52		1523.6							
12.9	OBS	00500	17.07	34.34	26.54	01.003	1523.6							
12.9	STD	00571	16.55	34.261	26.61		1523.1							
12.9	OBS	00600	16.02	34.20	26.69	01.165	1521.9							
12.9	STD	00700	14.24	35.95	26.91	01.310	1517.7							
12.9	OBS	00758		35.847										
12.9	STD	00800	12.61	35.71	27.04	01.440	1513.6							
12.9	OBS	00900	11.08	35.43	27.12	01.561	1509.4							
12.9	STD	T00950	10.35	35.314	27.16		1507.7							
12.9	OBS	T01426	04.82	35.007	27.72		1494.0							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MOOC STATION DATA

REFID 31 2705 YEAR 1975 BOTOP 03240 AIR TEMP 21.1 DIR HGT PER WIND-DIR 19 INST HANSEN CAST TEN SO 1207
 COMSEC 0014 MONTH 11 SHIP HT WET BULB 18.3 19 0 2 WIND-SPD 10 TRACE DIR 9 SQUARE 3
 LAT 38 20 N DAY 22 DATA USE 1 BAROMETR 1028.4 SEA CL/TR WIND-FOR DURATION 2 SQUARE 60
 LONG 050 20 W HOUR 14.4 AREA 05 CLOUD T/A 8/2 WEATHER X1 ORIG A4 03314 1 SQUARE 80

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.4	STD	00000	21.64	36.39	25.39	00.000	1528.1							
	OBS	00000	21.64	36.39	25.39		1528.1							
	STD	00010	21.63	36.39	25.39	00.026	1528.3							
	STD	00020	21.64	36.39	25.39	00.052	1528.5							
14.4	OBS	00025	21.64	36.390	25.39		1528.6							
	STD	00030	21.65	36.40	25.40	00.078	1528.7							
	STD	00050	21.63	36.44	25.43	00.130	1529.0							
14.4	OBS	00050	21.63	36.438	25.43		1529.0							
	STD	00075	21.44	36.44	25.48	00.194	1528.9							
14.4	OBS	00075	21.44	36.438	25.48		1528.9							
	STD	00100	21.48	36.44	25.48	00.257	1529.4							
14.4	OBS	00100	21.48	36.442	25.48		1529.4							
	STD	00125	20.31	36.45	25.81	00.317	1526.7							
14.4	OBS	00149	19.51	36.460	26.02		1526.9							
	STD	00150	19.50	36.46	26.03	00.371	1524.9							
	STD	00200	18.92	36.46	26.17	00.470	1524.1							
14.4	OBS	T00203	18.89	36.455	26.18		1524.1							
	STD	00250	18.57	36.45	26.26	00.565	1524.0							
	STD	00300	18.28	36.45	26.32	00.657	1524.0							
14.4	OBS	T00301	18.28	36.445	26.33		1524.0							
14.4	OBS	T00359	17.92	36.425	26.40		1524.5							
	STD	00430	17.92	36.42	26.40	00.836	1524.5							
	STD	00500	17.50	36.38	26.47	01.012	1524.6							
14.4	OBS	T00500	17.50	36.380	26.47		1524.9							
14.4	OBS	T00596	16.81	36.300	26.57		1524.3							
	STD	00600	16.74	36.29	26.58	01.182	1524.3							
	STD	00700	15.52	36.10	26.72	01.342	1521.9							
14.4	OBS	T00706	14.41	35.906	26.82		1519.5							
	STD	00800		35.86										
	STD	00900		35.57										
14.4	OBS	00978		35.385										
14.4	OBS	T01441	04.84	35.034	27.74		1454.3							

REFID 31 2705 YEAR 1975 BOTOP 03722 AIR TEMP 21.1 DIR HGT PER WIND-DIR 17 INST HANSEN CAST TEN SO 1207
 COMSEC 0015 MONTH 11 SHIP HT WET BULB 17.9 18 1 3 WIND-SPD 18 TRACE DIR 9 SQUARE 3
 LAT 37 50 N DAY 22 DATA USE 1 BAROMETR 1026.1 SEA CL/TR WIND-FOR DURATION 2 SQUARE 60
 LONG 050 20 W HOUR 20.0 AREA 05 CLOUD T/A 8/3 WEATHER X1 ORIG A4 03315 1 SQUARE 70

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.0	STD	00000	22.15	36.41	25.26	00.000	1529.4							
	OBS	00000	22.15	36.407	25.26		1529.4							
	STD	00010	22.15	36.41	25.26	00.027	1529.6							
	STD	00020	22.15	36.41	25.26	00.054	1529.8							
20.0	OBS	00023	22.15	36.406	25.26		1529.8							
	STD	00030	22.11	36.40	25.27	00.082	1529.8							
20.0	OBS	00044	22.03	36.404	25.29		1529.9							
	STD	00050	22.02	36.40	25.30	00.136	1529.9							
20.0	OBS	00069	21.98	36.406	25.31		1530.1							
	STD	00075	22.00	36.41	25.30	00.203	1530.3							
20.0	OBS	00092	22.00	36.407	25.31		1530.4							
	STD	00100	21.89	36.43	25.35	00.271	1530.4							
	STD	00125	21.53	36.49	25.50	00.336	1530.0							
	STD	00150	21.15	36.33	25.64	00.398	1529.5							
20.0	OBS	T00189	20.30	36.362	25.84		1528.4							
	STD	00200	20.23	36.55	25.90	00.513	1527.9							
	STD	00250	19.21	36.49	26.13	00.617	1525.8							
20.0	OBS	T00280	18.75	36.469	26.22		1525.0							
	STD	00300	18.40	36.47	26.26	00.714	1524.9							
20.0	OBS	T00371	18.10	36.464	26.37		1524.6							
	STD	00400	17.98	36.44	26.40	00.896	1524.7							
20.0	OBS	T00468	17.49	36.386	26.48		1524.4							
	STD	00500	17.13	36.33	26.52	01.070	1523.8							
20.0	OBS	T00560	16.40	36.215	26.61		1522.4							
	STD	00600	15.80	36.12	26.67	01.233	1521.1							
	STD	00700	14.34	35.88	26.81	01.384	1517.9							
20.0	OBS	00763	13.72	35.782	26.87		1516.4							
	STD	00800		35.65										
	STD	00900		35.44										
20.0	OBS	00931		35.390										
	STD	01400	05.14	35.06	27.73		1454.6							
20.0	OBS	T01400	05.14	35.060	27.73		1454.9							

TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2735	YEAR 1975	BOTOP 04755	AIR TEMP 21.1	DIR MGT PER	WIND-DIR 14	INST HANSEN CAST	TEN SO 1207
CONSEC 0016	MONTH 11	SHIP HT	WET GULB 18.3	15 1 5	WIND-SPO 07	TRACE DIA	5 SQUARE 3
LAT 37 20 N	DAY 23	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FOR	DURATION	2 SQUARE 60
LONG 050 20 W	HOUR 00.9	AREA 05	CLOUD T/A N/S	CL/TR	WEATHER K1	ORIG A4 09316	1 SQUARE 70

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DXVG	PD4	TOT P	NO2	NO3	SIO3	PH
00.9 STD		00000	22.24	36.45	25.27	00.000	1529.7							
00.9 OBS		00000	22.24	36.447	25.27		1529.7							
00.9 STD		00010	22.24	36.44	25.26	00.027	1529.9							
00.9 STD		00020	22.27	36.44	25.26	00.054	1530.1							
00.9 OBS		00024	22.27	36.443	25.26		1530.2							
00.9 STD		00030	22.27	36.44	25.26	00.082	1530.3							
00.9 OBS		00049	22.27	36.444	25.26		1530.6							
00.9 STD		00050	22.27	36.44	25.26	00.137	1530.6							
00.9 STD		00075	22.29	36.44	25.25	00.205	1531.1							
00.9 OBS		00098	22.31	36.441	25.24		1531.5							
00.9 STD		00100	22.24	36.44	25.27	00.274	1531.3							
00.9 STD		00125	21.37	36.46	25.52	00.340	1529.5							
00.9 STD		00150	20.42	36.48	25.74	00.401	1528.0							
00.9 STD		00200	19.47	36.49	26.05	00.505	1525.7							
00.9 OBS		00200	19.47	36.485	26.05		1525.7							
00.9 STD		00250	19.01	36.47	26.16	00.605	1525.2							
00.9 OBS		00258	18.60	36.454	26.25		1524.8							
00.9 STD		00300	18.59	36.45	26.25	00.705	1524.8							
00.9 OBS		T00396	17.85	36.404	26.40		1524.2							
00.9 STD		00400	17.82	36.40	26.41	00.887	1524.2							
00.9 OBS		T00499	16.54	36.291	26.54		1523.1							
00.9 STD		00500	16.93	36.29	26.54	01.059	1523.1							
00.9 OBS		T00597	15.56	36.075	26.65		1520.4							
00.9 STD		00600	15.53	36.07	26.69	01.220	1520.2							
00.9 STD		00700	13.43	35.78	26.89	01.366	1515.4							
00.9 OBS		T00793	11.44	35.561	27.05		1511.0							
00.9 STD		00800	11.80	35.55	27.07	01.494	1510.6							
00.9 STD		00900	09.99	35.36	27.26	01.605	1505.6							
00.9 OBS		00995	08.50	35.221	27.39		1501.5							
00.9 OBS		T01498	04.52	35.016	27.76		1493.9							
